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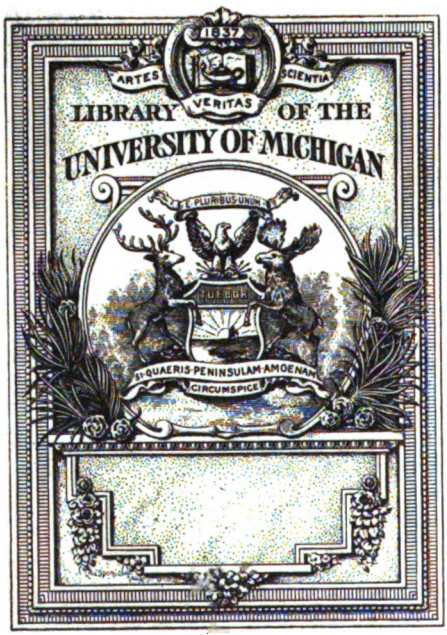

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THE

HARVARD UNIVERSITY

CATALOGUE.

1878-79.

CAMBRIDGE:
PUBLISHED FOR THE UNIVERSITY.
BY CHARLES W. SEVER.
1878.

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THE

HARVARD UNIVERSITY

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CATALOGUE.

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1878.

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1878.

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CALENDAR.

The meetings of the PRESIDENT AND FELLOWS *are held on the second and on the last Monday of every month.*

1878.

Sept. 23, *Monday.* Examination for advanced standing in the Medical School.

Sept. 24, *Tuesday.* Examination for advanced standing in Harvard College begins.

Sept. 25–27, *Wednesday* to *Friday.* Examination for admission to Harvard College.

Sept. 26, *Thursday.* **Academic Year begins** in all departments of the University.

Sept. 26, *Thursday.* Examination for admission to the Law School.

Sept. 26, 27, *Thursday* and *Friday.* Examination for admission to the Lawrence Scientific School, and to advanced standing in the Law School.

Oct. 9, *Wednesday.* Last day of receiving applications for admission to candidacy for the degrees of A.M., PH.D., and S.D.

Oct. 9, *Wednesday.* Stated Meeting of the Board of Overseers.

Oct. 10, *Thursday.* Reading of Freshmen for the Lee Prizes.

Oct. 16, *Wednesday.* Stated Meeting of the Academic Council.

Oct. 17, *Thursday.* Reading of Sophomores for the Lee Prizes.

Nov. 30, *Saturday.* Last day of receiving applications for aid from the Loan Fund.

Dec. 18, *Wednesday.* Stated Meeting of the Academic Council.

RECESS FROM DEC. 23, 1878, TO JAN. 2, 1879, BOTH DAYS INCLUDED.

1879.

Jan. 8, *Wednesday.* Stated Meeting of the Board of Overseers.

Feb. 10, *Monday.* **Second half-year begins.**

Feb. 19, *Wednesday.* Stated Meeting of the Academic Council.

March 26, *Wednesday.* Last day of receiving applications for the Parker and Kirkland Fellowships.

March 31, *Monday.* Last day of re-engaging College Rooms for 1879–80.

April 1, *Tuesday.* Last day of receiving applications of candidates for Second-Year Honors.

RECESS FROM THE WEDNESDAY BEFORE FAST-DAY TO THE FOLLOWING TUESDAY, BOTH DAYS INCLUDED.

April 9, *Wednesday.* Stated Meeting of the Board of Overseers.

April 16, *Wednesday.* Stated Meeting of the Academic Council.

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April 18, *Friday.* Last day of receiving applications for College Rooms for 1879–80.

April 19, *Saturday.* Assignment of College Rooms for 1879–80.

April 30, *Wednesday.* Last day of receiving names of competitors for the Boylston Prizes.

May 8, *Thursday.* Speaking for the Boylston Prizes.

May 28, *Wednesday.* Last day of receiving applications for the Harris Fellowship and the Graduate Scholarship.

May 31, *Saturday.* Last day of receiving applications for Scholarships, or for aid from the beneficiary Fund. Last day of receiving applications of candidates for Final Honors.

June 9, *Monday.* Examination in the Medical School.

June 19, *Thursday.* Stated Meeting of the Academic Council.

June 20, *Friday.* Seniors' Class Day.

June 25, *Wednesday.* **Commencement.** Stated Meeting of the Board of Overseers.

SUMMER VACATION OF THIRTEEN WEEKS, FROM COMMENCEMENT DAY TO SEPTEMBER 24.

June 26, *Thursday.* Examination for admission to the Law School.

June 26, 27, *Thursday* and *Friday.* Examination for admission to the Lawrence Scientific School.

June 26–30, *Thursday* to *Saturday.* Examination for admission to Harvard College.

July 9, *Wednesday.* Annual Meeting of the Board of Overseers.

Sept. 22, *Monday.* Examination for advanced standing in the Medical School.

Sept. 23, *Tuesday.* Examination for advanced standing in Harvard College begins.

Sept. 24–26, *Wednesday* to *Friday.* Examination for admission to Harvard College.

Sept. 25, *Thursday.* **Academic Year begins** in all departments of the University.

Sept. 25, *Thursday.* Examination for admission to the Law School.

Sept. 25, 26, *Thursday* and *Friday.* Examination for admission to the Lawrence Scientific School, and to advanced standing in the Law School.

Oct. 8, *Wednesday.* Last day of receiving applications for admission to candidacy for the degrees of A.M., PH.D., and S.D.

Oct. 8, *Wednesday.* Stated Meeting of the Board of Overseers.

Oct. 9, *Thursday.* Reading of Freshmen for the Lee Prizes.

Oct. 15, *Wednesday.* Stated Meeting of the Academic Council.

Oct. 16, *Thursday.* Reading of Sophomores for the Lee Prizes.

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DIRECTORY.

IN BOSTON.

The office of the PRESIDENT AND FELLOWS is at No. 70 Water Street.
The office of the TREASURER is at No. 70 Water Street.
The MEDICAL SCHOOL is on North Grove Street.
The office of the SECRETARY OF THE MEDICAL FACULTY is at No. 108 Boylston Street.
The DENTAL SCHOOL is at No. 50 Allen Street.
The office of the DEAN OF THE DENTAL FACULTY is at No. 222 Tremont Street.

IN CAMBRIDGE.

The office of the PRESIDENT is at No. 5 University Hall.
The office of the DEAN OF THE COLLEGE FACULTY is at No. 5 University Hall.
The office of the REGISTRAR OF THE COLLEGE FACULTY is at No. 5 University Hall.
The office of the SECRETARY is at No. 5 University Hall.
The office of the DEAN OF THE LAW FACULTY is in Dane Hall.
The office of the BURSAR is in Wadsworth House, Harvard Square.
The office of the STEWARD OF THE DINING HALL is in the north-west tower of Memorial Hall.
The OBSERVATORY and BOTANIC GARDEN are on Garden Street.
The MUSEUM OF COMPARATIVE Zoölogy is on Oxford Street and Divinity Avenue.
The PEABODY MUSEUM OF AMERICAN ARCHÆOLOGY AND ETHNOLOGY is on Divinity Avenue.
DIVINITY HALL is on Divinity Avenue.

IN JAMAICA PLAIN.

The BUSSEY INSTITUTION is in Jamaica Plain. The nearest railroad and Telegraph station is Forest Hills, on the Boston and Providence Railroad.

ABBREVIATIONS.

C. College House.
D. Divinity Hall.
G. Grays Hall.
H. Hollis Hall.
H'ke Holyoke House.
H'y Holworthy Hall.
M. Matthews Hall.
S. Stoughton Hall.
T. Thayer Hall.
W. Weld Hall.

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THE GOVERNMENT OF THE UNIVERSITY.

HARVARD COLLEGE was founded in 1636, by a vote of the General Court of the Colony of Massachusetts Bay, bearing the date of September 8th of that year.

The language of the vote was as follows:—

"The Court agree to give Four Hundred Pounds towards a *School* or *College*, whereof Two Hundred Pounds shall be paid the next year, and Two Hundred Pounds when the work is finished, and the next Court to appoint where and what building."

The ensuing year (1637) the General Court appointed twelve of the most eminent men of the colony (among whom were John Cotton and John Winthrop) "to take order for a college at Newtown." The name, "Newtown," was soon afterwards changed by the General Court to *Cambridge*, in recognition of the English University where many of the colonists had been educated.

The following year (1638) John Harvard, a non-conforming clergyman of England, who had been in the colony about one year, died at Charlestown, leaving half of his whole property and his entire library (about 300 volumes) to the institution. The value of this bequest was more than double the entire sum originally voted by the Court, and it was resolved to open the College at once, and to give it the name of *Harvard*. The first class was formed in the same year.

In 1642, during the administration of the first President, Henry Dunster, the general government of the College and the management of its funds were placed in the hands of a *Board of Overseers* established and empowered by the following Act of the General Court:—

"THE ACT

"ESTABLISHING THE OVERSEERS OF HARVARD COLLEGE.

"*At a General Court held at Boston on the 8th of September, in the Year* 1642.

"WHEREAS, through the good hand of God upon us, there is a College founded in Cambridge, in the county of Middlesex, called HARVARD COLLEGE, for the encouragement whereof this Court has given the sum of four hundred pounds, and also the revenue of the ferry betwixt Charlestown and Boston, and that the well ordering and managing of the said College is of great concernment,—

"It is therefore ordered by this Court and the authority thereof, that the Governor and Deputy-Governor for the time being, and all the

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magistrates of this jurisdiction, together with the teaching elders of the six next adjoining towns, — viz. Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, — and the President of the said College for the time being, shall, from time to time, have full power and authority to make and establish all such orders, statutes, and constitutions as they shall see necessary for the instituting, guiding, and furthering of the said College, and the several members thereof, from time to time, in piety, morality, and learning; as also to dispose, order, and manage, to the use and behoof of the said College and the members thereof, all gifts, legacies, bequeaths, revenues, lands, and donations, as either have been, are, or shall be conferred, bestowed, or any ways shall fall or come to the said College.

"And whereas it may come to pass that many of the said magistrates and elders may be absent, or otherwise employed in other weighty affairs, when the said College may need their present help and counsel, — it is therefore ordered, that the greater number of magistrates and elders which shall be present, with the President, shall have the power of the whole. *Provided*, that if any constitution, order, or orders, by them made, shall be found hurtful unto the said College, or the members thereof, or to the weal public, then, upon appeal of the party or parties grieved unto the company of Overseers first mentioned, they shall repeal the said order or orders, if they shall see cause, at their next meeting, or stand accountable thereof to the next General Court." *

One of the first labors of the Overseers, in concert with the President, was the formation of a code of laws, which was "published to the scholars for the perpetual preservation of their welfare and government."

Besides various rules pertaining to good morals and discipline, this code established requisites for admission to the College, and the conditions upon which degrees should be granted. The rules relating to admission and to degrees were as follows: —

"1. When any scholar is able to read Tully, or such like classical Latin author *extempore*, and make and speak true Latin in verse and prose *suo* (*ut aiunt*) *Marte*, and decline perfectly the paradigms of nouns and verbs in the Greek tongue, then may he be admitted into the College, nor shall any claim admission before such qualifications.

. . . . . .

* This Act is copied from "The General Laws of the Massachusetts Colony, revised and published by order of the General Court in October, 1658;" which was the second edition of the Laws of the Colony, and was printed in 1660 It varies slightly in phraseology from the Act contained in the Records of the General Court, Vol. II. page 24.

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"18. Every scholar that on proof is found able to read the original of the Old and New Testament into the Latin tongue, and to resolve them logically, withal being of honest life and conversation, and at any public act hath the approbation of the Overseers and Master of the College, may be invested with his first degree.

"19. Every scholar that giveth up in writing a synopsis or summary of Logic, Natural and Moral Philosophy, Arithmetic, Geometry, and Astronomy, and is ready to defend his theses or positions, withal skilled in the originals as aforesaid, and still continues honest and studious, at any public act after trial he shall be capable of the second degree of master of arts."

The Board of Overseers appears to have been found too large a body to have the immediate direction of the College, and in 1650, through the efforts of President Dunster and others, a charter was granted to the College by the General Court, by which the College was made a *Corporation*, consisting of the President, five Fellows, and a Treasurer, or Bursar, to have perpetual succession by the election of members to supply vacancies, and to be called by the name of the *President and Fellows of Harvard College*. The powers conferred by this Act were accompanied with a provision which required that all Orders and By-Laws of the Corporation should have the consent of the Overseers before they went into operation. This provision was found inconvenient and embarrassing in practice, and in 1657 a law was passed, called "An Appendix to the College Charter," by which the acts of the Corporation were declared to have immediate force and effect, and to be merely "alterable" by the Overseers, to whom the Corporation was to be "responsible."

The text of the College Charter, and of the Appendix to the same, is as follows: —

"THE CHARTER

OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE, UNDER THE SEAL OF THE COLONY OF MASSACHUSETTS BAY, AND BEARING DATE MAY 31, A.D. 1650.

"Whereas, through the good hand of God, many well-devoted persons have been, and daily are, moved and stirred up to give and bestow sundry gifts, legacies, lands, and revenues, for the advancement of all good literature, arts, and sciences, in HARVARD COLLEGE, in Cambridge, in the county of Middlesex, and to the maintenance of the President and Fellows, and for all accommodations of buildings, and all other necessary provisions that may conduce to the education of the English and Indian youth of this country in knowledge and godliness, —

"It is therefore ordered and enacted by this Court and the authority thereof, that for the furthering of so good a work, and for the purposes

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aforesaid, from henceforth that the said College in Cambridge, in Middlesex, in New England, shall be a Corporation, consisting of seven persons, to wit, a President, five Fellows, and a Treasurer or Bursar; and that HENRY DUNSTER shall be the first President, SAMUEL MATHER, SAMUEL DANFORTH, Masters of Art, JONATHAN MITCHELL, COMFORT STARR, and SAMUEL EATON, Bachelors of Art, shall be the five Fellows, and THOMAS DANFORTH to be present Treasurer, all of them being inhabitants in the Bay, and shall be the first seven persons of which the said Corporation shall consist; and that the said seven persons, or the greater number of them, procuring the presence of the Overseers of the College, and by their counsel and consent, shall have power, and are hereby authorized, at any time or times, to elect a new President, Fellows, or Treasurer, so oft, and from time to time, as any of the said person or persons shall die or be removed; which said President and Fellows for the time being shall forever hereafter, in name and fact, be one body politic and corporate in law, to all intents and purposes, and shall have perpetual succession, and shall be called by the name of *President and Fellows of Harvard College*, and shall from time to time be eligible as aforesaid; and, by that name, they and their successors shall and may purchase and acquire to themselves, or take and receive upon free gift and donation, any lands, tenements, or hereditaments, within this jurisdiction of the Massachusetts, not exceeding the value of five hundred pounds per annum, and any goods and sums of money whatsoever to the use and behoof of the said President, Fellows, and scholars of the said College; and also may sue and plead, or be sued and impleaded, by the name aforesaid, in all courts and places of judicature within the jurisdiction aforesaid.

"And that the said President, with any three of the Fellows, shall have power, and are hereby authorized, when they shall think fit, to make and appoint a common seal for the use of the said Corporation. And the President and Fellows, or the major part of them, from time to time, may meet and choose such officers and servants for the College, and make such allowance to them, and them also to remove, and, after death or removal, to choose such others, and to make from time to time such orders and by-laws, for the better ordering and carrying on the work of the College, as they shall think fit; *provided* the said orders be allowed by the Overseers. And also that the President and Fellows, or major part of them, with the Treasurer, shall have power to make conclusive bargains for lands and tenements, to be purchased by the said Corporation for valuable considerations.

"And, for the better ordering of the government of the said College and Corporation, — Be it enacted by the authority aforesaid, that the President and three more of the Fellows shall and may from time to time, upon due warning or notice given by the President to the rest, hold a

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meeting for the debating and concluding of affairs concerning the profits and revenues of any lands, and disposing of their goods (provided that all the said disposings be according to the will of the donors), and for direction in all emergent occasions, execution of all orders and by-laws, and for the procuring of a general meeting of all the Overseers and Society, in great and difficult cases, and in cases of non-agreement; in all which cases aforesaid, the conclusion shall be made by the major part, the said President having a casting voice, the Overseers consenting thereunto. And that all the aforesaid transactions shall tend to and for the use and behoof of the President, Fellows, scholars, and officers of the said College, and for all accommodations of buildings, books, and all other necessary provisions and furnitures as may be for the advancement and education of youth in all manner of good literature, arts, and sciences.

"And, further, be it ordered by this Court and the authority thereof, that all the lands, tenements, or hereditaments, houses, or revenues, within this jurisdiction, to the aforesaid President or College appertaining, not exceeding the value of five hundred pounds per annum, shall from henceforth be freed from all civil impositions, taxes, and rates; all goods to the said Corporation, or to any scholars thereof, appertaining, shall be exempted from all manner of toll, customs, and excise whatsoever; and that the said President, Fellows, and scholars, together with the servants, and other necessary officers to the said President or College appertaining, not exceeding ten, — viz. three to the President and seven to the College belonging, — shall be exempted from all personal civil offices, military exercises or services, watchings and wardings; and such of their estates, not exceeding one hundred pounds a man, shall be free from all country taxes or rates whatsoever, and none others.

"In witness whereof, the Court hath caused the seal of the Colony to be hereunto affixed. Dated the one and thirtieth day of the third month, called May, anno 1650.

"[L. S.] THO: DUDLEY, *Governor.*" *

"AN APPENDIX TO THE COLLEGE CHARTER, GRANTED BY AN ACT OF THE GENERAL COURT OF THE COLONY, PASSED A.D. 1657.

"*At a General Court held at Boston, the 14th of October*, 1657.

"In answer to certain proposals presented to this Court by the Overseers of HARVARD COLLEGE, as an appendix to the College Charter, it is ordered, —

* The above is a copy of the original Charter, engrossed on parchment, under the signature of Governor Dudley, with the Colony seal appendant, in the custody of the President and Fellows of Harvard College. The Charter, varying slightly in phraseology, is also contained in the Records of the General Court, Vol. IV. page 10.

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"The Corporation shall have power, from time to time, to make such orders and by-laws, for the better ordering, and carrying-on of the work of the College, as they shall see cause, without dependence upon the consent of the Overseers foregoing. *Provided always*, that the Corporation shall be responsible unto, and those orders and by-laws shall be alterable by, the Overseers, according to their discretion.

"And when the Corporation shall hold a meeting, and agreeing with college servants, for making of orders and by-laws, for debating and concluding of affairs concerning the profits and revenues of any lands or gifts, and the disposing thereof, (provided that all the said disposals be according to the will of the donors), for managing of all emergent occasions, for the procuring of a general meeting of the Overseers and Society in great and difficult cases, and in cases of non-agreement, and for all other college affairs to them pertaining, — in all these cases the conclusion shall be valid, being made by the major part of the Corporation, the President having a casting vote. *Provided always*, that, in these things also, they be responsible to the Overseers as aforesaid.

"And in case the Corporation shall see cause to call a meeting of the Overseers, or the Overseers shall think good to meet of themselves, it shall be sufficient unto the validity of college acts, that notice be given to the Overseers in the six towns mentioned in the printed law, anno 1642, when the rest of the Overseers, by reason of the remoteness of their habitations, cannot conveniently be acquainted therewith." *

The Corporation and the Board of Overseers remain to the present time the governing powers of the University; and this charter is now in force precisely as first drafted in 1650, notwithstanding that several attempts were made, during the first fifty years of its existence, to alter it or to substitute another in its place.

The first attempt of this kind occurred in 1672, when an ordinance was passed by the General Court, which was intended as a substitute for the existing charter. It altered the name of the Corporation from "President and Fellows of Harvard College" to that of "President, Fellows, and Treasurer of Harvard College;" it modified their powers in some respects, and granted important additional ones, civil and collegiate. But, although this charter is entered at large in the journal of the General Court, it does not appear in the records of the College, nor is any notice taken of it in the general history of the times. It is certain that the Corporation never assumed the name given by the Act, and there exists no evidence that they ever modified their proceedings according to its provisions.

The next attempt was made in 1692. No sooner was the Provincial

* This act is taken from the Records of the General Court, Vol. IV. page 265.

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government organized under the charter of William and Mary, than a bill for a new charter for the College was passed by the General Court. This charter, which was the work of President Increase Mather, increased the number of members of the Corporation to ten, and conferred upon them some extraordinary powers. Above all, it vested all powers in the ten members of the Corporation absolutely, without any control or responsibility, making no provision for a Board of Overseers or for a visitatorial power of any kind. After passing the General Court, and receiving the approbation of the governor, this charter was sent to England for the approval of the King. Meanwhile the Corporation established by it, without waiting for the King's decision, entered at once upon the exercise of their powers. The charter was negatived by the King in Council, "on the ground of its not providing for a visitation of the King by his governor."

The constitution of the College seems to have been a favorite subject for political managers during the time of Increase Mather. No less than three different charters, which would have essentially changed the organization of the College, were proposed in the years 1696, 1697, and 1699, respectively, and passed both branches of the Colonial Legislature; but for want of the executive or royal sanction no one of them went into permanent operation. In 1700 a new draft of a charter was prepared "to be solicited for to his Majesty," which passed both branches of the Legislature; but it was never presented to the King, and no subsequent attempt was ever made to obtain a college charter from the Crown.

After the constitution of the College had been for a number of years in this unsettled condition, and after repeated attempts to obtain a new charter had all failed, the General Court in 1707 passed the following vote, reasserting the integrity and force of the Charter of 1650, and it remains "the venerable source of collegiate authority" to this day.

"EXTRACT FROM A RESOLVE OF THE PROVINCIAL GENERAL COURT, PASSED A.D. 1707, DECLARING THE COLLEGE CHARTER OF 1650 NOT REPEALED, AND DIRECTING THE PRESIDENT AND FELLOWS OF THE COLLEGE TO EXERCISE THE POWERS GRANTED BY IT.

"*At a Great and General Court for her Majesty's Province of the Massachusetts Bay, begun and held at Boston upon the 28th of May, 1707, and continued by several prorogations unto the 29th of October following, being the third session.*

"IN COUNCIL.

"*Thursday, December* 4, 1707.

"And inasmuch as the first foundation and establishment of that House [Harvard College, in Cambridge], and the government thereof,

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had its original from an act of the General Court, made and passed in the year 1650, which has not been repealed or nulled, — the President and Fellows of the said College are directed, from time to time, to regulate themselves according to the rules of the Constitution by the said Act prescribed, and to exercise the powers and authorities thereby granted for the government of that House, and the support thereof.

"*Saturday, December* 6, 1707.

"The Representatives returned the Vote passed in Council, the 4th current, referring to the College, with their concurrence thereunto.

"By his Excellency the Governor, consented to,

"JOSEPH DUDLEY." *

In 1780, when a Constitution was framed for the new Commonwealth of Massachusetts, the following Articles were introduced, securing to the President and Fellows of Harvard College the perpetual enjoyment of all their vested rights and powers, and providing for the organization of the Board of Overseers.

"THE ARTICLES OF THE CONSTITUTION OF THE COMMONWEALTH OF MASSACHUSETTS, CONFIRMING AND SECURING TO HARVARD COLLEGE THE PERPETUAL POSSESSION AND ENJOYMENT OF ALL ITS ESTATES, RIGHTS, POWERS, AND PRIVILEGES.

"CHAPTER V.

"SECT. I. — *The University.*

"ARTICLE 1. — Whereas our wise and pious ancestors, so early as the year one thousand six hundred and thirty-six, laid the foundation of HARVARD COLLEGE, in which University many persons of great eminence have, by the blessing of God, been initiated in those arts and sciences which qualified them for public employments both in Church and State; and whereas the encouragement of arts and sciences and all good literature tends to the honor of God, the advantage of the Christian religion, and the great benefit of this and the other United States of America, — It is declared that the *President and Fellows of Harvard College* in their corporate capacity, and their successors in that capacity, their officers and servants, shall have, hold, use, exercise, and enjoy all the powers, authorities, rights, liberties, privileges, immunities, and franchises which they now have, or are entitled to have, hold, use, exercise, and enjoy; and the same are hereby ratified and confirmed

* This resolve is taken from the Records of the General Court, Vol. VIII. page 344.

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unto them, the said President and Fellows of Harvard College, and to their successors, and to their officers and servants respectively, for ever.

"ART. 2. — And whereas there have been at sundry times, by divers persons, gifts, grants, devises of houses, lands, tenements, goods, chattels, legacies, and conveyances, heretofore made either to Harvard College, in Cambridge, in New England, or to the President and Fellows of Harvard College, or to the said College by some other description, under several charters successively, — It is declared that all the said gifts, grants, devises, legacies, and conveyances are hereby for ever confirmed unto the President and Fellows of Harvard College, and to their successors in the capacity aforesaid, according to the true intent and meaning of the donor or donors, grantor or grantors, devisor or devisors.

"ART. 3. — And whereas, by an Act of the General Court of the Colony of Massachusetts Bay, passed in the year one thousand six hundred and forty-two, the Governor and Deputy-Governor for the time being, and all the magistrates of that jurisdiction, were with the President, and a number of the clergy in the said Act described, constituted the Overseers of Harvard College; and it being necessary, in this new Constitution of government, to ascertain who shall be deemed successors to the said Governor, Deputy-Governor, and magistrates, — It is declared that the Governor, Lieutenant-Governor, Council, and Senate of this Commonwealth are and shall be deemed their successors; who with the President of Harvard College for the time being, together with the ministers of the Congregational churches in the towns of Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, mentioned in the said Act, shall be, and hereby are, vested with all the powers and authority belonging or in any way appertaining to the Overseers of Harvard College. *Provided*, that nothing herein shall be construed to prevent the Legislature of this Commonwealth from making such alterations in the government of the said University as shall be conducive to its advantage, and the interests of the republic of letters, in as full a manner as might have been done by the Legislature of the late Province of the Massachusetts Bay."

It remains to notice certain changes in the constitution of the Board of Overseers, relating to eligibility to office, mode of appointment or election, and the connection between the College and the Commonwealth. The first important change occurred in the year 1810. The reasons which led to this change are thus given by President Quincy: * —

"By the Act of 1642, the magistrates of the colony and the teaching elders of specified Congregational churches formed, *ex officio*, that board; and its constitution comprised no principle by which individuals partic-

* History of Harvard University, Vol. II. page 294.

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ularly qualified could be elected members. At that early period the statesmen and clergy generally included almost all the educated men in the community, and the Board of Overseers, therefore, was then as wisely constituted perhaps as the condition of the colony permitted. But, in the course of a century and a half other classes of men rose into power and influence, and it became desirable that they also should be brought into efficient connection with the College, — and that the Over seers should possess the power of placing at their board individuals particularly qualified, by their talents or attainments, for the superintendence and patronage of a literary institution. In 1780, the critical and disturbed state of the times rendered it inexpedient to attempt any change in the constitution of the seminary, except such as the frame of the Constitution of the Commonwealth made necessary. The disposition, however, to introduce new influences into the management of the institution was at that time indicated by the election of James Bowdoin into the Corporation, the first individual ever selected as a member of the board, with the exception of the Treasurers, who was not either a clergyman, a professor, or tutor. Experience having shown the advantage of this deviation from the ancient practice, the friends of the College became convinced that important benefits would result, if a right to a seat in the Board of Overseers should be no longer incidental and casual, but be made elective and permanent, with a reference to the qualifications of the individual and his local situation. It was also thought desirable that the right of being eligible to the board should no longer be confined, with regard to the clergy, to the towns specified in the Act. The inconvenience arising to members of the Senate from the duty of attending to the business of the College during the session of the Legislature, and their want of interest in the institution from the remoteness of their residence, led many of them, from considerations unconnected with political feeling or prejudices, to desire to be relieved from that service."

An Act was passed by the State Legislature in March, 1810, which changed the organization of the Board in conformity with these views. It is called an "Act to alter and amend the Constitution of the Board of Overseers of Harvard College, and consists of six sections." By the first it is enacted that "The Governor, Lieutenant-Governor, Counsellors, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, and the President of Harvard College for the time being, with fifteen ministers of Congregational churches and fifteen laymen, all inhabitants within the State, to be elected as is hereafter mentioned, shall for ever hereafter constitute the Board of Overseers of Harvard College."

The second and fifth sections provide for the election of the ministers

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and laymen, the said elections being made by the ballots of the major part of the Overseers present at a legal meeting.

The third section relates to the choice and duties of a Secretary, the time and manner of meeting, and the duty of presiding at the meetings.

The fourth section specifies when the seat of a minister or of a member shall become vacant, and confers the power of removal from office in certain cases.

The sixth and last section is as follows: —

"This Act shall be in force when the Overseers of Harvard College, as heretofore constituted, and the President and Fellows of Harvard College, shall agree to accept the provisions in this Act contained."

The principle that the State could not change the constitution of the College, without the consent of the Corporation and Overseers, was thus distinctly recognized; and the chartered rights of the College were respected and maintained, at the same time that a more efficient organization was established for the Board of Overseers.

The provisions of this Act were accepted by the President and Fellows on the 16th of March, 1810; and by the Overseers on the 12th of April, in the same year.

In 1812, the opponents of the Act of March, 1810, obtained dominant influence in all the branches of the State government; and on the 29th of February, the Legislature, in direct opposition to a memorial from the Corporation, and without making any provision for the consent of the Corporation or Overseers, repealed the Act of March, 1810, and enacted that the Board of Overseers should thereafter be constituted precisely as prior to the last-mentioned Act. The validity of this action on the part of the Legislature was questioned by the Corporation and Overseers, and an appeal to the Supreme Judicial Court was proposed, though never actually made. The Board of Overseers, as organized by the new Act of 1812, met on the 8d of June of that year, and continued to exercise their powers under the authority of this Act until February, 1814, when the Legislature passed an Act "to restore the Board of Overseers of Harvard College, and to make an addition thereto." By this Act the Act passed in 1812, repealing that of 1810, was itself repealed, and the "Senate of the Commonwealth was added to the Board of Overseers constituted by the Act of March, 1810;" and it was declared that "the Senate shall, together with the persons mentioned in the said last-mentioned Act (that of 1810), hereafter constitute the Board of Overseers of Harvard College." This Act also contained the provision that it should not take effect until it was accepted by the Overseers and by the President and Fellows of Harvard College. The Act was accepted by both Boards in March of the same year.

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Until 1834, clergymen, to be eligible to the Board of Overseers, must be Congregationalists; but an Act was passed by the Legislature of that year opening the Board to clergymen of all denominations, — the Act to take effect whenever accepted by both branches of the College government. It was accepted by them in 1843.

Another Act, "to change the organization of the Board of Overseers," was passed in 1851. It made the Board to consist of

"The Governor, Lieutenant-Governor, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, the Secretary of the Board of Education, and the President and Treasurer of Harvard College, for the time being, together with thirty other persons, as hereinafter defined and described, and no others."

The Act also divided the Board into six equal classes, to be elected and to go out of office in rotation, as described in the following sections: —

"SECT. 3. — The thirty persons, who, in addition to the *ex-officio* members thereof, now constitute the Board of Overseers, shall be divided into three classes of ten each, by lot or otherwise, as they themselves may determine; and the persons of the first class shall go out of office on the day of the next annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives of the Commonwealth, assembled in one room; and the persons of the second class shall go out of office on the day of the annual meeting of the General Court, which will be in the year onethousand eight hundred and fifty-three, and their places be supplied in like manner by joint ballot of the Senators and Representatives; and the persons of the third class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-four, and their places be supplied in like manner by joint ballot of the Senators and Representatives. *Provided* that the persons of each of the said outgoing classes shall continue in office for two months after the day of the said annual meeting of the General Court, unless their successors shall have been sooner chosen by the Senators and Representatives.

"SECT. 4. — When the Board of Overseers shall have been wholly renewed in the manner prescribed in the foregoing section, the members thereof shall be divided into six equal classes, by subdivision of the previous classes into two each, according to lot or otherwise, as the Board may determine, and having regard to seniority of service among the said previous classes in arranging the order of precedence of the new series; and the said six classes shall thereafter go out of office in rotation, and in order of precedence as thus defined, one at each successive annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives."

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This Act was not to go into effect until "the Board of Overseers, as heretofore constituted, and the President and Fellows of Harvard College respectively, at meetings held for that purpose during the present session of the General Court, shall by vote have assented to the same." The two Boards concurred as required.

Meanwhile an opinion was everywhere gaining ground that it would be better for the community and the interests of learning, as well as for the University, if the power to elect the Overseers were transferred from the Legislature to the graduates of the College. A bill to this effect was introduced into the Senate in 1854, which passed through most of the preliminary stages, but failed to be enacted; partly, as it was thought at the time, from the pressure of business at the close of the session. The purpose was finally carried out in 1865, by the passage of the following "Act in relation to the Board of Overseers of Harvard College:" —

"AN ACT

IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"SECTION 1. — The places of the successive classes in the Board of Overseers of Harvard College, and the vacancies in such classes, shall hereafter be annually supplied by ballot of such persons as have received from the College a degree of Bachelor of Arts, or Master of Arts, or any honorary degree, voting on Commencement Day in the city of Cambridge; such election to be first held in the year eighteen hundred and sixty-six; *provided, however*, that no member of the Corporation, and no officer of government or instruction in said College, shall be eligible as an Overseer, or entitled to vote in the election of Overseers; and *provided, further*, that no person who has received from said College the degree of Bachelor of Arts shall be entitled to vote for Overseers before the fifth annual election after the graduation of his class.

"SECT. 2. — The Board of Overseers shall annually appoint one principal and two or more assistant-inspectors of polls, who shall, on Commencement Day, from the hour of ten in the forenoon to the hour of four in the afternoon, at some place in said city of Cambridge, fixed by said Board, receive the votes for Overseers, and they shall sort and count such votes, and make public declaration thereof, after the closing of the polls; and said inspectors shall be provided with a complete list of the persons qualified to vote at such election, and no person shall vote until the inspectors find and check his name upon such list. The names of the persons voted for, the number of votes received for each person, and the vacancy or place in said Board for which he is proposed, shall be entered in words at length, by said inspectors, upon a record kept by them for that purpose, which shall, after such election, be forthwith

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made up, signed, and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places or vacancies in said Board shall, to the number of Overseers to be elected, be deemed and shall be declared by said Board elected to be members thereof.

"SECT. 3. — The Board of Overseers shall give notice of the place of the polls, the hours during which they are open, and the number of Overseers to be elected, by publishing the same at least ten days before Commencement Day in some newspaper printed in the city of Boston.

"SECT. 4. — The terms of office of the existing classes of Overseers are extended to the close of Commencement Day of the year in which such terms severally expire; the terms of office of the classes hereafter elected shall successively expire at the close of Commencement Day each year in their order; and the persons elected Overseers on any Commencement Day, shall supply the places of the class of Overseers which goes out of office at the close of that day, and the vacancies then existing in said Board.

"SECT. 5. — Whenever there shall be a failure on Commencement Day to supply any places or vacancies in the Board of Overseers, the same may be filled by vote of the remaining Overseers; and any person elected to fill a vacancy shall be deemed to be a member of and to go out of office with the class to which his predecessor belonged.

"SECT. 6. — The Governor, Lieutenant-Governor, President of the Senate, Speaker of the House of Representatives, and Secretary of the Board of Education, shall not be *ex-officio* members of the Board of Overseers of Harvard College after this Act shall be in force.

"SECT. 7. — This Act shall be in force when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote have assented to the same.

"SECT. 8. — This Act shall not be construed as in the nature of a contract or a charter, but may at any time be repealed at the pleasure of the Legislature." [April 28, 1865.]

This Act, having been duly assented to by the Overseers on the 21st of September, 1865, and by the President and Fellows on the 15th of December of the same year, is now the law; and it may be regarded as evidence of the wisdom of this transfer of power to the graduates, that analogous changes have already been made in the constitution of several other colleges.

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STATUTES OF THE UNIVERSITY.

1. THE UNIVERSITY. Harvard University comprehends the following departments: Harvard College, the Divinity School, the Law School, the Medical School, the Dental School, the Lawrence Scientific School, the Museum of Comparative Zoölogy, the Bussey Institution (a School of Agriculture), the College Library, and the Astronomical Observatory. The Peabody Museum of American Archæology and Ethnology is a constituent part of the University; but its relations to the University are affected by peculiar provisions.

2. PRESIDENT. It is the duty of the President of the University to call meetings of the Corporation, and preside at the same; to act as the ordinary medium of communication between the Corporation and the Overseers, and between the Corporation and the Faculties; to make an annual report to the Overseers on the general condition of the University; to preside on public academic days; to preside over the several Faculties; to direct the official correspondence of the University; to acquaint himself with the state, interests, and wants of the whole institution; and to exercise a general superintendence over all its concerns. For the better discharge of these duties, he must live in Cambridge.

3. TREASURER. The Treasurer has the custody of all the property of the University, and is required to give bonds for the faithful performance of his duty. He is also required to submit his accounts, and all evidences of the property under his charge, to the committees of inspection appointed by the Corporation and Overseers severally, and to make annually to the Overseers a statement of the receipts and expenditures of the University.

The Bursar and the Superintendent of Buildings are under the direction of the Treasurer, and are his agents in Cambridge.

All officers who are intrusted with property belonging to the University are required to keep inventories of the same, which are subject to the inspection of the Treasurer; and to have all such property designated as University property by suitable marks.

4. TENURES OF OFFICE. In all departments of the University, professorships are held without express limitation of time. Assistant professorships are held for five years, and tutorships for not more than three years. At the end of the term of an assistant professor or tutor, his connection with the University ceases, unless he be reappointed. Lecturers are appointed for not more than one year. Instructors are appointed for such terms as convenience may require. Tutors and instructors are responsible, in regard to their subjects and methods of

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teaching, to the professors in their respective branches of study. Proctors are appointed to assist the Faculties in the conduct of examinations, and in the preservation of order within the University precincts. All officers of instruction and government are subject to removal for inadequate performance of duty, or for misconduct.

5. ACADEMIC COUNCIL. The Academic Council consists of the President, Professors, and Assistant Professors of the University. The Council is empowered to recommend to the President and Fellows candidates for the degrees of Master of Arts, Doctor of Science, and Doctor of Philosophy.

6. FACULTIES. Harvard College and the several Schools of the University are each under the immediate charge of a Faculty. All professors, assistant professors, and tutors, and all instructors appointed for a term longer than one year are members of the Faculty of the college or school in which they teach, unless exempted by a peculiar tenure of office, or by a special vote of the Corporation and Overseers.

7. DEANS. Each Faculty has a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of that Faculty. It is the duty of a Dean to conduct the correspondence of his college or school, to superintend all its clerical and administrative business; to prepare the business for the meetings of his Faculty, to execute its orders and regulations, to preside at its meetings in the absence of the President, and to make an annual report to the President. To assist the dean of a college or school in the discharge of these duties, the Corporation appoints, when necessary, a Registrar or Secretary.

8. ACADEMIC YEAR. The Academic year begins on the Thursday following the last Wednesday in September. The annual Commencement is held on the last Wednesday in June. The vacation begins at Commencement, and ends on the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Wednesday before Fast Day, and ends on the Tuesday after Fast Day. Thanksgiving Day is a holiday.

9. DEGREES. The ordinary degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Divinity, Bachelor of Laws, Doctor of Medicine, Doctor of Dental Medicine, Civil Engineer, and Mining Engineer, are conferred, after recommendation by the several Faculties, by vote of the Corporation, with the consent of the Overseers. The ordinary degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science, are conferred, after recommendation of the Academic Council, by vote of the Corporation, with the consent of the Overseers. It is required that no candidates for the ordinary degrees be recommended, except after thorough public examination, and a residence at the University, of at least one year. There are two grades of the degree of Bachelor of

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Arts, and three grades of the degree of Bachelor of Science and of the degree of Mining Engineer.

Honorary degrees are conferred by vote of the Corporation, with the consent of the Overseers. The degrees conferred by the University are announced at commencement.

10. Bonds and Registration. Every student must, on his admission to any department of the University, give a bond to the Treasurer or the Bursar, in such a sum as shall from time to time be determined by the Corporation, for the payment of his dues to the University; or he must make payment in advance, or secure payment by a deposit. He must then enter his name, and such other particulars as may be required by the several Faculties, respectively, with the Dean of his Faculty.

11. Discipline. The respective Faculties have authority to impose fines and levy assessments for damage done to property; to inflict, at their discretion, the penalties of admonition, suspension, dismission, and expulsion; and to use all other appropriate means of discipline; but no student shall be separated from the University, either temporarily or permanently, by a vote of less than two-thirds of the members of his Faculty present and voting thereon.

Suspension is a separation from the University for a fixed period of time. It may be accompanied with a requirement of residence in a specified place, and of the performance of specified tasks. Dismission closes a student's connection with the University, without necessarily precluding his return. Expulsion is the highest academic censure, and is a final separation from the University.

STATUTES AFFECTING THE SEVERAL DEPARTMENTS OF THE UNIVERSITY.

The College.

12. Parietal Committee. The proctors and the officers of instruction who reside within the college walls, or in buildings to which the superintendence of the College extends, constitute the Parietal Committee. It is their duty to take cognizance of offences against good order and decorum, and to attend daily prayers.

13. Registrar. It is the duty of the Registrar of the College, under the general direction of the Dean, to superintend admission examinations; to keep the records of admission, of attendance, and of conduct; to prepare all scales of scholarship; to receive petitions from students to the Faculty; to conduct ordinary business with the students; and to keep a record of the proceedings of the Faculty. It is also his duty, unless he be specially exempted therefrom, to act as chairman of the Parietal Committee, to keep a record of its proceedings, to execute its votes, and to assign members of the Committee to duty.

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14. Religious Services. Daily prayers are held in the Chapel during term time, at which the attendance of the students is required.

Any student may pass Sundays with his family, or, at the discretion of the Faculty, with the family of such person as his father or guardian may designate, upon notice in writing given to the Dean at the beginning of each academic year by the father or guardian, or by the student himself if he is of age.

Every student who does not pass Sundays with his own family, or with some other designated as above described, is required to attend public worship on each Sunday morning during term time; if a minor, at such place as his father or guardian may designate by a writing addressed to the Dean at the beginning of each academic year; if of age, at such place as he himself may select, which selection must be made by a writing delivered to the Dean at the beginning of each academic year.

Seats are provided, at the expense of the College, for all students who attend the Sunday services of the several religious denominations having established places of worship in the immediate vicinity of the College.

The Divinity School.

15. No assent to the peculiar doctrines or practices of any denomination of Christians is required of instructors or students in the Divinity School.

The College Library.

16. The College Library in Gore Hall is for the use of the whole University. Its privileges are also granted, under special regulations, to persons not connected with the University.

The general control and oversight of the Library is committed to the Council of the Library, consisting of the President, the Librarian, and six other persons, who are appointed by the Corporation, with the consent of the Overseers, for the term of three years. Any vacancy occurring in the Council is filled in the same manner for the unexpired portion of the term.

It is the duty of the Council to make rules for the administration of the Library; to direct the purchase of books, to the extent of the funds applicable for that purpose; and to visit and inspect the Theological, Law, Medical, and other special libraries.

The Librarian and the Assistant Librarians are chosen in the same manner as officers of instruction and government, and are under the same liability to removal.

The Librarian has the care and custody of the Library. It is his duty to superintend its internal administration, enforce the rules, and conduct the correspondence; and to make annually a written report on the condition of the Library to the Library Committee of the Overseers and to the Corporation.

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1881.

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† The term expires, in each case, on Commencement Day of the year indicated. See p. 23, sect. 4.

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1883.

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1884.

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† For Abbreviations, see page 9. The residence is in Cambridge, unless otherwise stated. No residence is given if the officer is absent for the year.

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CHARLES PICKARD WARE, A.B., *Instructor in English*, Brookline.
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WILLIAM MORRIS DAVIS, M.E., *Instructor in Geology*, 15 Sumner St.
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EDWARD LAURENS MARK, PH.D., *Instructor in Zoölogy*, 48 Shepard St.
JAMES LAWRENCE LAUGHLIN, PH.D., *Instructor in Political Economy*, 21 Buckingham St.
GIORGIO ANACLETO CORRADO BENDELARI, A.B., *Instructor in Modern Languages*, C. 5.
HARRY BLAKE HODGES, *Instructor in Chemistry and German*, S. 15.
GEORGE RIDDLE, A.B., *Instructor in Elocution*, 6 Arrow St.

Divinity School.

JOSEPH HENRY ALLEN, A.B., *Lecturer on Ecclesiastical History*, 5 Garden St.

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ELBRIDGE GERRY CUTLER, A.B., M.D., *Assistant in Pathological Anatomy*, 123 Boylston St., Boston.
FRANK WINTHROP DRAPER, M.D., *Lecturer on Forensic Medicine*, 86 Worcester St., Boston.
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EDWARD NEWTON WHITTIER, M.D., *Assistant in Clinical Medicine*, 87 Hancock St., Boston.
GEORGE MINOT GARLAND, M.D., *Assistant in Physiology*, 98 Boylston St., Boston.

CLINICAL INSTRUCTORS.

FRANCIS BOOTT GREENOUGH, M.D., *in Syphilis*, 17 Charles St., Boston.
SAMUEL GILBERT WEBBER, M.D., *in Diseases of the Nervous System*, 756 Tremont St., Boston.
EDWARD WIGGLESWORTH, M.D., *in Syphilis*, 108 Boylston St., Boston.
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Dental School.

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The PEABODY MUSEUM OF AMERICAN ARCHÆOLOGY AND ETHNOLOGY is a constituent part of the University; but its relations to it are affected by certain peculiar provisions.

☞ **Students in regular standing in any one department of the University are admitted free to the instruction given in any other department, with the exception of exercises carried on in the special laboratories.**

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SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Aldrich, Albert Clinton,	*Boston,*	C. 23.
Alger, Horace Chapin,	*North Cambridge,*	M. 22.
Almy, Francis,	*New Bedford,*	M. 19.
Amen, Harlan Page,	*Portsmouth, O.,*	S. 12.
Andrews, Clement Walker,	*Boston,*	T. 57.
Anthony, Francis Wayland,	*Cambridge,*	G. 34.
Apthorp, Harrison Otis,	*Cambridge,*	17 Putnam Ave.
Atherton, Edward Herbert,	*Worcester,*	C. 3.
Austin, William Russell,	*Charlestown,*	W. 22.
Ayers, George David,	*Maplewood,*	M. 56.
Bacon, Charles William,	*Natick,*	S. 30.
Baily, Henry,	*Newport, Penn.,*	467 Broadway.
Bates, Waldron,	*Boston,*	Beck Hall 34.
Baylies, Edmund Lincoln,	*New York, N.Y.,*	Beck Hall 24.
Bennett, Samuel Crocker,	*Taunton,*	T. 34.
Binney, Amos,	*Newport, R.I.,*	S. 10.
Black, George Ashton,	*Gardner,*	H. 12.
Blood, Charles Hiram,	*Fitchburg,*	G. 11.
Bowen, Allyn Hanabergh,	*Brooklyn, N.Y.,*	648 Cambridge St.
Bowen, John Templeton,	*Boston,*	W. 20.
Brandeis, Albert Simon,	*Louisville, Ky.,*	T. 68.
Brewster, Charles Osmyn,	*Brookfield,*	Dolton's Block 1.
Brewster, Frank,	*Roxbury,*	S. 26.
Briggs, Frederic Melancthon,	*Roxbury,*	Little's Block 26.
Brooks, Arthur Anderson,	*Worcester,*	T. 64.
Brown, Arthur Clarence,	*Athol,*	H. 12.
Brown, Howard Kinmonth,	*Framingham,*	Beck Hall 25.
Brown, John Augustus,	*Exeter, N.H.,*	C. 33.
Burlingham, Charles Culp,	*Brooklyn, N.Y.,*	M. 28.
Burr, Isaac Tucker,	*Newton,*	H'y 17.
Burrill, George Henry,	*Wellesley,*	C. H. 53.
Burrill, Middleton Shoolbred,	*New York, N.Y.,*	42 Brattle St.
Butler, Harry,	*Portland, Me.,*	T. 51.
Cadwell, Warren Cushing,	*New Bedford,*	M. 19.
Carey, Arthur Astor,	*New York, N.Y.,*	42 Brattle St.
Cary, Walter,	*Buffalo, N.Y.,*	H'y 8.
Casas, William Beltran de las,	*Malden,*	W. 24.
Case, William Warren,	*Columbus, O.,*	G. 49.
Chapin, Herman,	*Brookline,*	W. 41.
Churchill, John Maitland Brewer,	*Boston,*	W. 27.

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Clapp, Robert Parker,	*Cambridge,*	S. 28.
Cobb, Joseph Pettee,	*Abington,*	S. 10.
Conant, William Merritt,	*Bridgewater,*	T. 34.
Conlan, James Francis,	*Cambridge,*	59 Thorndike St.
Cook, George Frederick,	*Boston,*	T. 63.
Coolidge, John Templeman,	*Boston,*	W. 15.
Coolidge, William Williamson,	*Boston,*	H'y 22.
Coverly, George Todd,	*Malden,*	M. 56.
Cowdin, John Elliot,	*New York, N.Y.,*	Little's Block 9.
Cox, Wilmot Townsend,	*New York, N.Y.,*	M. 55.
Crawford, Frank Lindsay,	*New York, N.Y.,*	M. 27.
Crocker, Alvah,	*Fitchburg,*	W. 1.
Crosman, Charles Sumner,	*Swampscott,*	M. 8.
Curtis, Francis George,	*Staten Island, N.Y.,*	H'y 22.
Cushing, Livingston,	*Boston,*	W. 21.
Dalzell, John Whitney,	*Waltham,*	H. 29.
Daniels, Frank Herbert,	*Charlestown,*	C. 15.
Davis, George Herbert,	*Boston,*	Little's Block 9.
Delano, Samuel,	*North Cambridge,*	9 Chester St.
Denégre, Walter Denis,	*New Orleans, La.,*	Dolton's Block 6.
Dolloff, George Lyman,	*Exeter, N.H.,*	C. 20.
Donaldson, Frank,	*Baltimore, Md.,*	H'ke 14.
Dow, Herbert Beeman,	*Woburn,*	C. 26.
Dunn, Francis De Maurice,	*Northbridge,*	C. 37.
Edmands, Moses Grant,	*Charlestown,*	T. 41.
Ellis, Frederick Hamant,	*Framingham,*	Beck Hall 8.
Ellis, Ralph Waterbury,	*Springfield,*	M. 27.
Evans, Glendower,	*Philadelphia, Pa.,*	127 Mt. Auburn St.
Faunce, George,	*Kingston,*	C. 37.
Felton, Edgar Conway,	*Philadelphia, Pa.,*	W. 50.
Gage, James Arthur,	*Lowell,*	S. 18.
Galloupe, Charles William,	*Lynn,*	T. 55.
Goddard, Warren Norton,	*New York, N.Y.,*	Beck Hall 1.
Grannis, Hermon Wheaton,	*Cleveland, O.,*	W. 9.
Hale, Edward,	*Northampton,*	M. 55.
Hanks, Charles Stedman,	*Cambridge,*	887 Harvard St.
Harding, Lewis Branch,	*Boston,*	W. 17.
Harlow, William Burt,	*Syracuse, N.Y.,*	C. 22.
Heard, Richard,	*Chelsea,*	28 North Ave.
Hill, Samuel H.,	*Minneapolis, Minn.,*	M. 3.
Hill, William Bancroft,	*Temple, N.H.,*	C. H. 53.
Hoadly, George,	*Cincinnati, O.,*	H'ke 19.
Hodgdon, Andrew Hall,	*Arlington,*	T. 51.
Hodges, George Clarendon,	*Boston,*	H'ke 19.

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Holmes, Jabish,	*Stonington, Conn.*,	M. 2.
Homer, Thomas Johnston,	*Roxbury*,	T. 46.
Hopkins, Abram Duane,	*Somerville*,	Boston St., Somerville.
Hoppin, Samuel Howland,	*New York, N.Y.*,	25 Holyoke St.
Houston, Frank Augustine,	*Somerville*,	H. 25.
Howard, William DeCreet,	*Chicago, Ill.*,	S. 4.
Hubbard, William Hammond,	*Chicago, Ill.*,	Felton Hall 24.
Hudson, Woodward,	*Concord*,	M. 2.
Huntington, Austin Parks,	*Boston*,	88 Mt. Auburn St.
Hutchins, William Everett,	*Cambridge*,	H. 3.
Hyde, William De Witt,	*Southbridge*,	S. 12.
Ives, David Otis,	*Salem*,	T. 52.
Jackson, George West,	*Roxbury*,	M. 22.
Jacobs, Martin Reiley,	*Brownsville, Pa.*,	M. 11.
Johnson, Henry Warren,	*Woburn*,	C. 10.
Keene, Francis Bowler,	*Milwaukee, Wis.*,	Episc. Theol. Sch.
Kelley, Webster,	*Boston*,	10 Oxford St.
Keyes, Prescott,	*Concord*,	M. 25.
Kidder, Charles Archbald,	*Boston*,	M. 17.
Kingsbury, Edward Phipps,	*Holliston*,	C. 12.
Kinney, Henry Nason,	*Boston*,	T. 57.
Lancaster, Walter Moody,	*Lowell*,	H. 29.
Lawrence, William Badger,	*Medford*,	Beck Hall 46.
Lee, Arthur Howard,	*Roxbury*,	T. 36.
Lee, Thomas,	*Westport, N.Y.*,	W. 22.
Leonard, Frederick Moses,	*Easthampton*,	W. 24.
LeRoy, Herman Stewart,	*New York, N.Y.*,	Beck Hall 31.
Littlefield, George Abner,	*Malden*,	Malden.
Macfarlane, Wallace,	*Boston*,	C. 61.
Mack, Charles Samuel,	*St. Louis, Mo.*,	8 Holyoke St.
McLennan, Francis,	*Montreal, Canada*,	80 Mt. Auburn St.
Madden, Henry Edgar,	*Chicago, Ill.*,	S. 30.
Martin, Francis Coffin,	*Roxbury*,	W. 17.
Mason, Atherton Perry,	*Fitchburg*,	C. 29.
Mason, Charles Jeremiah,	*Boston*,	34 North Ave.
Mercer, Henry Chapman,	*Doylestown, Pa.*,	42 Brattle St.
Meyer, George von Lengerke,	*Boston*,	Little's Block 13.
Miles, Jonas Michael,	*Fitchburg*,	M. 13.
Miller, George Norton,	*New York, N.Y.*,	H'y 14.
Mitchell, James William,	*Boston*,	H'ke 23.
Monroe, William Ingalls,	*Roxbury*,	W. 1.
Morris, John Gavin,	*South Boston*,	561 8th St., South Boston.
Motley, George Storer,	*Lowell*,	W. 32.
Mulligan, Henry Coolidge,	*Natick*,	G. 13.

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Newhall, Herbert William,	*Lynn,*	T. 46.
Nichols, John Loring,	*Somerville,*	H. 25.
Norton, Jesse Rowland,	*Ironton, O.,*	W. 5.
Nunn, Charles Pierce,	*Lexington,*	W. 19.
Osgood, Charles Nathan,	*Waltham,*	C. 7.
Patten, Frank Bartlett,	*Longwood,*	H'ke 89.
Perkins, Edward Clifford,	*Boston,*	Beck Hall 47.
Perry, Frederick Gardiner,	*Boston,*	M. 23.
Poor, Albert,	*North Andover,*	H. 4.
Porter, Frank Leslie,	*Lawrence,*	C. 8.
Powel, Harford Willing Hare,	*Newport, R.I.,*	52 Brattle St.
Preble, Wallace,	*Portland, Me.,*	W. 6.
Prescott, Walter Conway,	*Cambridge,*	H. 10.
Preston, Thomas Webb,	*Boston,*	G. 16.
Putnam, Earl Bill,	*Waterville, N.Y.,*	T. 60.
Rand, Benjamin, A.B. (*Acadia Coll.*),	*Canning, N.S.,*	81 Holyoke St.
Richardson, William Minard,	*Portland, Me.,*	T. 66.
Rindge, Frederick Hastings,	*Cambridge,*	M. 17.
Robinson, Edward,	*Boston,*	M. 44.
Robinson, Edward Abbot,	*Jamaica Plain,*	Jamaica Plain.
Rose, Hiram Holbrook,	*La Porte, Ind.,*	4 Holyoke St.
Russell, Thomas,	*Boston,*	T. 44.
St. John, Charles Elliott,	*Worcester,*	T. 64.
Sargent, Henry Rufus,	*Boston,*	M. 57.
Schofield, William,	*Dudley,*	H. 1.
Schwartz, William Henry,	*Bangor, Me.,*	H. 20.
Shannon, Edward Weston,	*Portland, Me.,*	55 North Ave.
Sheafe, William,	*Boston,*	Beck Hall 21.
Sheldon, George Rumsey,	*Brooklyn, N.Y.,*	
Shute, Henry Augustus,	*Exeter, N.H.,*	C. 33.
Sibley, Edwin Day,	*Charlestown,*	C. 23.
Simpson, Frank Ernest,	*Boston,*	W. 16.
Smith, Frederic Warren,	*Worcester,*	M. 11.
Smith, Willard Everett,	*Newtonville,*	C. 50.
Snelling, Samuel,	*Boston,*	25 Holyoke St.
Somerby, Samuel Ellsworth,	*Boston,*	G. 22.
Sprague, Charles Franklin,	*Boston,*	T. 21.
Stetson, Hayward,	*Bangor, Me.,*	W. 4.
Story, Marion Wainwright,	*Boston,*	Beck Hall 33.
Strong, John Palmer,	*St. Joseph, Mo.,*	C. 29.
Swayze, Francis Joseph,	*Newton, N.J.,*	H. 1.
Swift, Jireh,	*New Bedford,*	T. 62.
Sylvester, William Henry,	*Newtonville,*	D. 27.

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Tappan, Herbert,	*Brookline,*	Brookline,
Tarbell, William Croswell,	*Boston,*	31 Brimmer St., Boston.
Taussig, Frank William,	*St. Louis, Mo.,*	Dolton's Block 5.
Temple, Frederic Henry,	*Charlestown,*	H. 25.
Thayer, John Alden,	*Worcester,*	H'ke 39.
Thomas, James Eames,	*Rockland,*	S. 28.
Thomas, Washington Butcher,	*Boston,*	Dolton's Block 1.
Thompson, John James,	*Philadelphia, Pa.,*	G. 52.
Thorp, Joseph Gilbert,	*Madison, Wis.,*	G. 12.
Titus, Willett Losee,	*De Lancey, N.Y.,*	S. 3.
Townsend, John Joseph,	*New York, N.Y.,*	48 Brattle St.
Trimble, Walter,	*New York, N.Y.,*	Beck Hall 41.
Trull, Larkin Thorndike,	*Tewksbury,*	M. 23.
Tubbs, Alfred Stewart,	*San Francisco, Cal.,*	Beck Hall 4.
Twombley, William Greene,	*Cincinnati, O.,*	Little's Block 10.
Underwood, Henry Oliver,	*Belmont,*	W. 41.
Urquhart, David,	*New Orleans, La.,*	Beck Hall 44.
Van Rensselaer, William Bayard,	*Albany, N.Y.,*	Beck Hall 31.
Vaughn, John,	*Boston,*	S. 28.
Warren, Henry Clarke,	*Boston,*	Beck Hall 6.
Wells, Charles Luke,	*Boston,*	G. 47.
Wells, John Walter,	*Brookline,*	Brookline.
Weston, Edward Stanley,	*Salem,*	T. 52.
Whiting, Charles Hoover,	*Boston,*	H'ke 12.
Williams, Otho Holland,	*Baltimore, Md.,*	Beck Hall 42.
Wilton, Richard Thomas,	*Cambridge,*	23 Stoughton.
Wolff, John Eliot,	*Boston,*	M. 23.
Wood, Stephen Blake,	*Arlington,*	H. 31.
Wright, James Anderson,	*Philadelphia, Pa.,*	

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JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Allen, Frederick Hobbs,	*Honolulu, H.I.*,	H'y 9.
Allen, Russell Carpenter,	*Cambridge*,	5 Garden St.
Alley, William Henry,	*Lynn*,	M. 35.
Almy, Frederic,	*New Bedford*,	H'y 19.
Andrews, William Shankland,	*Syracuse, N.Y.*,	W. 40.
Atwood, Charles Edward,	*Exeter, N.H.*,	C. 9.
Bacon, Robert,	*Jamaica Plain*,	Little's Block 18.
Baldwin, Henry Cutler,	*Somerville*,	S. 32.
Barlow, Peter Townsend,	*New York, N.Y.*,	Beck Hall 2.
Barrows, Morton,	*Reading*,	T. 19.
Barstow, Henry Taylor,	*Boston*,	M. 8.
Bartlett, Nathaniel Cilley,	*Nottingham, N.H.*,	M. 34.
Beale, Charles Frederic Tiffany,	*Kinderhook, N. Y.*,	H'y 10.
Bement, Gerard,	*Lowell*,	W. 18.
Benton, Charles Horace,	*Cleveland, O.*,	S. 24.
Billings, Sherard,	*Quincy*,	C. 49.
Bishop, Robert Roberts, .	*Newton Centre*,	W. 18.
Blair, Charles Benton,	*Grand Rapids, Mich.*,	M. 48.
Blodgett, William Tilden,	*New York, N.Y.*,	Little's Block 25.
Bond, Hugh Lennox,	*Baltimore, Md.*,	H'y 12.
Brackett, Frank Herbert,	*Jamaica Plain*,	H'ke 27.
Bradford, Russell,	*Cambridge*,	875 Harvard St.
Bradley, Charles Wesley,	*Cambridge*,	757 Main St.
Breed, Amos Franklin,	*Lynn*,	M. 35.
Brigham, Clifford,	*Salem*,	G. 6.
Brigham, Nat Maynard,	*Natick*,	S. 28.
Brown, Louis Mayo,	*Glens Falls, N.Y.*,	H'y 1.
Buckley, Philip Townsend,	*South Boston*, 27 Swan St., So. Boston.	
Butler, George Minot,	*Northampton*,	W. 45.
Cabot, Francis Elliot,	*Brookline*,	T. 42.
Carpenter, Frank Oliver,	*Cambridge*,	28 Mt. Auburn St.
Carruth, Ignatius Sumner,	*Boston*,	H'ke 27.
Chandler, Frederic Emerson,	*Boston*,	M. 26.
Chapin, Henry Bainbridge,	*New London, Conn.*,	M. 42.
Chapman, Charles Henry,	*Boston*,	S. 16.
Chase, George Thorndike,	*Salem*,	G. 14.
Churchill, William Christy,	*Louisville, Ky.*,	
Clark, William Bradford,	*Cambridge*,	Beck Hall 26.
Clarke, Edward Kane,	*San Francisco, Cal.*,	W. 42.
Cole, Walter,	*Baltimore, Md.*,	Beck Hall 32.
Collison, Harvey Newton,	*Boston*,	

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Cook, William Hoff,	*Oakland, Cal.*,	M. 43.
Davis, Charles Stevenson,	*Plymouth*,	M. 49.
Doane, John,	*Charlestown*,	W. 51.
Dodd, Edwin Merrick,	*Worcester*,	T. 53.
Dodge, Frank Faden,	*Woburn*,	G. 15.
Dwight, Jonathan,	*New York, N.Y.*,	T. 20.
Edwards, Pierrepont,	*Elizabeth, N.J.*,	17 Kirkland St.
Ellis, Ralph Nicholson,	*New York, N.Y.*,	Little's Block 27.
Eustis, Herbert Hall,	*Cambridge*,	29 Kirkland St.
Fessenden, James Deering,	*Portland, Me.*,	W. 37.
Field, James Brainerd,	*Boston*,	C. 54.
Foster, Charles Chauncey,	*Cambridge*,	140 Brattle St.
Fowler, Harold North,	*Westfield*,	H. 6.
French, Henry Gardner,	*Boston*,	W. 35.
Fuller, Eugene,	*Cambridge*,	13 Hilliard St.
Gardiner, Frederic,	*Middletown, Conn.*,	W. 48.
Gardner, Clifford,	*Boston*,	42 Brattle St.
Gaston, William Alexander,	*Boston*,	H'y 16.
Geddes, James,	*Brookline*,	H. 14.
Gest, Joseph Henry,	*Cincinnati, O.*,	H'y 10.
Gilbert, Samuel Cotton,	*Milwaukee, Wis.*,	G. 10.
Gilley, Frank Milton,	*Chelsea*,	C. 47.
Gilman, John Bradley,	*Medford*,	D. 27.
Gooch, William Wallace,	*Melrose*,	H'ke 5.
Greeley, Louis May,	*Chicago, Ill.*,	H. 5.
Griswold, George,	*New York, N.Y.*,	1 Holyoke St.
Guild, Henry Eliot,	*Boston*,	H. 32.
Hale, Arthur,	*Roxbury*,	H'y 16.
Hall, Arthur Lawrence,	*Revere*,	C. 45.
Hall, Frederic Bound,	*Boston*,	C. 59.
Hall, William Dudley,	*Bridgeport, Conn.*,	44 Mt. Auburn St.
Hanscom, Arthur Lee,	*New York, N.Y.*,	Beck Hall 32.
Harrison, Mitchell,	*Philadelphia, Pa.*,	H'y 18.
Hart, Albert Bushnell,	*Cleveland, O.*,	S. 29.
Hatch, George Baptiste,	*Chelsea*,	C. 48.
Hawes, Edward Southworth,	*Boston*,	S. 32.
Henderson, Harold Gould,	*Staten Island, N.Y.*,	Beck Hall 5.
Hills, William Henry,	*Somerville*,	C. 8.
Hines, Fletcher Stephen,	*Indianapolis, Ind.*,	W. 3.
Hobbs, Charles Austin,	*Exeter, N.H.*,	C. 9.
Hooper, William,	*Dorchester*,	Little's Block 22.
Houston, John Wesley,	*Lincoln, Del.*,	C. 63.
Howe, James Torrey,	*Kenosha, Wis.*,	H'y 5.
Huidekoper, Frank Colhoon,	*Meadville, Pa.*,	H'y 12.

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Hurst, Arthur,	*Brooklyn, N.Y.,*	26 Mt. Auburn St.
Jackson, Henry,	*Boston,*	Little's Block 17.
Johnson, Laurence Henry Hitch,	*Braintree,*	S. 27.
Jones, Henry Champion,	*Bangor, Me.,*	H. 6.
Jordan, Frederick Dolbier,	*Lawrence,*	10 Acacia St.
Kelley, George Reed,	*Haverhill,*	S. 11.
Kenneson, Thaddeus Davis,	*Andover,*	H. 13.
Kent, Percy,	*New York, N.Y.,*	G. 45.
Kilburn, Henry Whitman,	*Lowell,*	G. 1.
Lamson, John Lamson,	*New York, N.Y.,*	Little's Block 21.
Lea, Arthur Henry,	*Philadelphia, Pa.,*	W. 48.
Learned, William Pollock,	*Pittsfield,*	Wadsworth House 5.
Leister, Anton,	*Brunswick, O.,*	5 Follen St.
Lester, James Louis,	*West Newton,*	D. 13.
Lord, Daniel Walter,	*Malden,*	W. 54.
Ludlow, Thomas William,	*New York, N.Y.,*	4 Story St.
Lum, Edward Harris,	*Chatham, N.J.,*	T. 20.
March, Charles Dudley,	*Staatsburgh, N.Y.,*	52 Brattle St.
Martin, John Laurie,	*New York, N.Y.,*	H'y 9.
Merrill, George White,	*Boston,*	404 Columbus Ave., Boston.
Messervy, George Passarow,	*Salem,*	W. 14.
Miller, Andrew,	*Albany, N.Y.,*	Little's Block 21.
Moors, Arthur Wendell,	*Boston,*	G. 38.
Morgan, Charles,	*New York, N.Y.,*	1 Holyoke St.
Morgan, Hicky Hunt,	*New Orleans, La.,*	78 Mt. Auburn St.
Morison, Sanford,	*Quincy,*	S. 20.
Morse, Edward Irving,	*Marlboro',*	44 Mt. Auburn St.
Morss, Charles Henry,	*North Andover,*	C. 59.
Mould, David,	*Cambridge,*	C. 63.
Muzzey, Austin Kent,	*Cambridge,*	H'y 19.
Nickerson, Thomas White,	*Boston,*	G. 26.
Norton, Charles Phelps,	*Buffalo, N.Y.,*	W. 18.
O'Callaghan, William Francis,	*Milford,*	H. 23.
O'Keefe, John Aloysius,	*Salem,*	G. 35.
Opdycke, Leonard Eckstein,	*New York, N.Y.,*	G. 48.
Parker, Charles Albert,	*Boston,*	M. 50.
Pellew, William George,	*New York, N.Y.,*	H'y 23.
Pennypacker, James Lane,	*Philadelphia, Pa.,*	T. 56.
Perry, Arthur,	*Westerly, R.I.,*	T. 56.
Perry, George Murdock,	*Ashland,*	860 Main St.
Perry, Herbert Mills,	*New Ipswich, N.H.,*	S. 2.
Pew, Charles Hiram,	*Gloucester,*	Beck Hall 23.
Pew, William Andrews,	*Gloucester,*	T. 37.
Pilsbury, Ernest Henry,	*Lewiston, Me.,*	H'ke 29.

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Price, Wesley Frank,	*Lumberton, N.C.,*	C. 40.
Quincy, Josiah,	*Wollaston,*	H'y 7.
Rand, Harry Seaton,	*Cambridge,*	H'ke 6.
Ranlett, Frederick Jordan,	*Auburndale,*	H'ke 45.
Rhett, Walter Horton,	*Charleston, S.C.,*	C. 49.
Richardson, William King,	*Longwood,*	Little's Block 4.
Rollins, Frank Blair,	*Columbia, Mo.,*	16 Oxford St.
Roosevelt, Theodore,	*Cambridge,*	16 Winthrop St.
Russell, Eugene Dexter,	*Watertown,*	30 Mt. Auburn St.
Sanger, Chester Franklin,	*Cambridge,*	H'ke 6.
Savage, Henry Wilson,	*Boston,*	C. 67.
Sharp, William Beverly,	*San Francisco, Cal.,*	H'ke 38.
Shaw, Henry Russell,	*Boston,*	Little's Block 26.
Skinner, Samuel Wiggins,	*Cincinnati, O.,*	M. 9.
Smith, Frederick Mears,	*Cambridge,*	1 Chauncy St.
Smith, Walter Allen,	*Boston,*	H'y 7.
Stevens, William Stanford,	*Boston,*	T. 31.
Stow, Van Der Lynn,	*San Francisco, Cal.,*	H'y 24.
Talbott, William Houston,	*Indianapolis, Ind.,*	H'y 5.
Taylor, Arthur,	*Yarmouth,*	T. 19.
Taylor, William George,	*New York, N.Y.,*	H. 16.
Tebbets, John Sever,	*Boston,*	M. 50.
Thomsen, John Jacob,	*Baltimore, Md.,*	W. 34.
Townsend, Howard,	*Albany, N.Y.,*	W. 8.
Trimble, Richard,	*New York, N.Y.,*	Beck Hall 41.
Tupper, Frederic Allison,	*Newtonville,*	12 Mason St.
Turpin, Bradford Strong,	*Dorchester,*	G. 25.
Wakefield, John Lathrop,	*Dedham,*	G. 27.
Ware, Charles,	*Roxbury,*	H'y 15.
Warren, Charles Everett,	*Boston,*	C. 50.
Washburn, Charles Grenfill,	*Worcester,*	H'y 15.
Watson, William Livingston,	*Utica, N.Y.,*	H'ke 26.
Webb, Henry Randall,	*Washington, D.C.,*	G. 20.
Weimer, Albert Barnes,	*Philadelphia, Pa.,*	H'ke 45.
Weld, Christopher Minot,	*Jamaica Plain,*	M. 42.
Welling, Richard Ward Greene,	*New York, N.Y.,*	H'y 23.
Wheelan, Fairfax Henry,	*Santa Rosa, Cal.,*	H'y 24.
Whitcomb, Silas Merrick,	*Nunda, N.Y.,*	G. 29.
White, Franklin Davis,	*Milton,*	M. 39.
White, William Howard,	*Brookline,*	S. 5.
Whiting, Frederick Erwin,	*Cambridge,*	8 Cogswell Ave.
Wilkinson, Alfred,	*Syracuse, N.Y.,*	T. 33.
Winlock, William Crawford,	*Cambridge,*	47 Langdon St.
Winsor, Robert,	*Winchester,*	
Woodbury, John,	*Lynn,*	G. 2.

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SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
Abbe, Alanson Joseph,	*Dorchester,*	C. 89.
Adams, Joseph Henry,	*Washington, D.C.,*	4 Garden St.
Agnew, Howard,	*Columbia, S.C.,*	17 Dunster St.
Allen, Francis Bellows,	*Yonkers, N.Y.,*	10 Oxford St.
Atkins, Charles Howard,	*Lynn,*	C. 16.
Atkinson, Edward Williams,	*Brookline,*	G. 46.
Bailey, Parker Nell,	*Boston,*	77 Mt. Auburn St.
Baker, Ezra Henry,	*Boston,*	W. 4.
Baker, Frank Woods,	*Boston,*	Episc. Theol. Sch.
Ballou, Hosea Starr,	*North Orange,*	S. 8.
Barton, Frederick Otis,	*Cambridge,*	14 Dana St.
Batchelder, George Edwin,	*Salem,*	6 Appian Way.
Bell, John Stuart,	*Louisville, Ky.,*	404 Harvard St.
Benham, Harry Hill,	*New York, N.Y.,*	G. 18.
Berry, Walter Van Rensselaer,	*Albany, N.Y.,*	Beck Hall 37.
Bliss, James,	*Long Meadow,*	C. 66.
Borland, Benjamin Metcalf,	*New Castle, Me.,*	25 Holyoke St.
Bradbury, William Howard,	*Cambridge,*	369 Harvard St.
Brandegee, Edward Deshon,	*Utica, N.Y.,*	H'ke 43.
Brewer, Edward Winslow,	*Jamaica Plain,*	Felton Building 11.
Brewster, William,	*Boston,*	W. 28.
Bridgman, Lewis Jesse,	*Lawrence,*	D. 1.
Brinsmade, William Gold,	*Washington, Conn.,*	D. 41.
Brooks, Edward,	*Medford,*	Little's Block 25.
Brown, Francis Pennington,	*New York, N.Y.,*	10 Oxford St.
Browne, Henry Rossiter Worthington,	*Boston,*	Little's Block 14.
Burdett, George Albert,	*Brookline,*	M. 32.
Carleton, John Fisher,	*Wood's Holl,*	8 Prescott St.
Carr, Louis Brackett,	*Somerville,*	C. 25.
Chase, Harry Ward,	*Haverhill,*	T. 24.
Choate, William,	*Beverly,*	H. 17.
Clark, Louis Monroe,	*Harrison Sq.,*	T. 43.
Cohen, Eugene Yancey, A.B. (*Coll. City N.Y.*)	*New York, N.Y.,*	467 Broadway.
Coolidge, Algernon,	*Boston,*	T. 30.
Coolidge, Charles Allerton,	*Boston,*	H'ke 22.
Coolidge, William Henry,	*Natick,*	C. 21.
Cordeiro, Frederic Joaquim Barbosa,	*Winchester,*	S. 9.

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Corse, Edwards,	*Chicago, Ill.*,	W. 44.
Crawford, Fred Erastus,	*Watertown*,	Watertown.
Crehore, Frederic Morton,	*Newton Lower Falls*,	W. 38.
Crocker, William Goss,	*Somerville*,	C. 8.
Davis, John Francis,	*San Francisco, Cal.*,	20 Lee St.
Dazey, Charles Turner,	*Lima, Ill.*,	23 Trowbridge St.
Delano, Charles Henry Leonard,	*New Bedford*,	W. 44.
De Windt, Heyliger Adams,	*Fishkill, on Hudson, N.Y.*,	T. 5.
Dexter, George Ticknor,	*Boston*,	127 Mt. Auburn St.
Dickerman, George Washington,	*Randolph*,	C. 41.
Driscoll, Robert Henry,	*Salem*,	S. 18.
Dyer, Oliver,	*Mt. Vernon, N.Y.*,	12 Story St.
Edwards, Richard,	*West Cleveland, O.*,	C. 57.
Evarts, Prescott,	*Windsor, Vt.*,	W. 49.
Farnsworth, John Prescott,	*Pawtucket, R.I.*,	H'ke 1.
Fay, Dudley Bowditch,	*Boston*,	Little's Block 12.
Fernald, Frank Clinton,	*Philadelphia, Pa.*,	T. 17.
Fessenden, Albert Fielding,	*Cambridge*,	153 Mt. Auburn St.
Fisher, George Chichester,	*Brooklyn, N.Y.*,	H'ke 37.
Fiske, Frederic Augustus Parker,	*Somerville*,	C. 25.
Flagg, Joshua Gardner,	*New York, N.Y.*,	H'ke 20.
Folsom, William Howard,	*Exeter, N.H.*,	S. 4.
Foster, Charles Henry Wheelwright,	*Brookline*,	W. 43.
Foster, Leonard,	*Cambridge*,	15 Oxford St.
Freeland, William,	*Syracuse, N.Y.*,	C. 22.
Gibbons, Joseph McKean,	*Boston*,	10 Oxford St.
Goddard, Farley Brewer,	*Malden*,	C. 64.
Godkin, Lawrence,	*New York, N.Y.*,	T. 39.
Greene, Herbert Eveleth,	*Malden*,	W. 46.
Guild, Curtis,	*Boston*,	M. 18.
Hadley, Joseph Emerson,	*Marion*,	C. 1.
Haines, Howard Preston,	*Greenville, N.H.*,	H'ke 11.
Hammond, Samuel,	*Boston*,	G. 42.
Hardy, Frederic Wood,	*Boston*,	42 So. Russell St., Boston.
Harvey, Alexander,	*Baltimore, Md.*,	Little's Block 17.
Hawkins, Eugene Dexter,	*New York, N.Y.*,	Little's Block 1.
Hemenway, Charles Morrison,	*Somerville*,	T. 17.
Hobbs, Winslow Lewis,	*Kinsley, Kan.*,	H'ke 4.
Holder, Frederic Blake,	*Boston*,	M. 37.
Hopkins, Frederic Stone,	*New Bedford*,	69 Brattle St.
Hough, Garry De Nerville,	*New Bedford*,	Felton Building 18.
How, Jared Slocum,	*Haverhill*,	M. 5.

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Howard, Herbert Burr,	*Bellows Falls, Vt.,*	17 Dunster St.
Howe, James Robbins,	*Cambridge,*	1 Oxford St.
Howe, Willard Warren,	*Cincinnati, O.,*	H'ke 4.
Howell, Edwin Cull,	*Rahway, N.J.,*	C. 65.
Hunt, Livingston,	*New Orleans, La.,*	78 Mt. Auburn St.
Huntington, Oliver Mayhew Whipple,	*Cambridge,*	25 Quincy St.
Hussey, Frederick Daniel,	*Boston,*	M. 8.
Hyams, Godfrey Michael,	*Boston,*	5 Jefferson Pl., Boston.
Ivy, Thomas Parker,	*Gainesville, Ala.,*	M. 29.
Jackson, Charles Hooper,	*San Francisco, Cal.,*	W. 10.
Jameson, Arthur Orcutt,	*East Medway,*	S. 9.
Jeffries, John Amory,	*Boston,*	Little's Block 8.
Jelly, Arthur Carlton,	*Sacramento, Cal.,*	H'ke 11.
Johnson, John Norton,	*Cambridge,*	21 Mellen St.
Johnson, Samuel Alvah,	*Quincy Point,*	Felton Building 18.
Jones, Henry Olmstead,	*Columbus, O.,*	S. 31.
Joy, Frederick,	*Winchester,*	W. 47.
Knight, Fred Theron,	*Charlestown,*	G. 31.
Knowles, Arthur Jacob,	*Boston,*	291 Shawmut Ave., Boston.
Lamson, William Ayres,	*Newton Upper Falls,*	C. 65.
Lane, Edward Binney,	*Cambridge,*	107 Prospect St.
Lane, Gardiner Martin,	*Cambridge,*	H'y 6.
Lane, William Coolidge,	*Cambridge,*	19 Oxford St.
Lovering, Ernest.	*Cambridge,*	88 Kirkland St.
Lovett, Robert Williamson,	*Boston,*	M. 18.
Ludlow, James Bettner,	*New York, N.Y.,*	4 Story St.
Lummis, Charles Fletcher,	*Monson,*	860 Main St.
McColl, Edgar William,	*San José, Cal.,*	H'ke 16.
McCurdy, Robert Henry,	*New York, N.Y.,*	Little's Block 20.
MacVeagh, Charles,	*Philadelphia, Pa.,*	Little's Block 31.
Markham, George Dickson,	*St. Louis, Mo.,*	102 Mt. Auburn St.
Mason, Edward Palmer,	*Brookline,*	M. 5.
Maude, John Edward,	*Fall River,*	C. 41.
Maxfield, Joseph Elwyn,	*Salem,*	S. 13.
May, Henry Farnham,	*Dorchester,*	C. 67.
Mayers, Alanson Herbert,	*Charlestown,*	C. 2.
Melcher, John Stevens,	*New York, N.Y.,*	T. 59.
Melledge, James Harold,	*Cambridge,*	335 Harvard St.
Merrill, Edward Roscoe,	*Andover,*	C. 70.
Mills, Albert Low,	*Brooklyn, N.Y.,*	W. 29.
Mitchell, John Kearsley,	*Philadelphia, Pa.,*	H'y 21.
Moody, Andrew Arthur,	*Haverhill,*	H'ke 20.

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Morgan, Morris Hicky,	*Cambridge,*	T. 12.
Morong, Walter Welsh,	*Boston,*	M. 14.
Morse, George Frederic,	*Clinton,*	M. 36.
Morse, Jacob Charles,	*Boston,*	G. 28.
Morse, Philip Sidney,	*Boston,*	M. 37.
Mueller, Otto,	*Cleveland, O.,*	C. 32.
Munro, John Cummings,	*Lexington,*	T. 32.
Nelson, Harry Leverett,	*Worcester,*	G. 50.
Nesmith, Joseph,	*Lowell,*	Little's Block 17.
Noyes, William,	*Malden,*	C. 64.
O'Callaghan, John William,	*Salem,*	S. 6.
Osborn, Charles Marcus,	*Rock Island, Ill.,*	M. 49.
Otis, James,	*Roxbury,*	M. 41.
Paine, James Leonard,	*Cambridge,*	T. 47.
Parker, Theodore Edson,	*Lowell,*	W. 18.
Parmenter, James Parker,	*Arlington,*	H. 30.
Penrose, Boies,	*Philadelphia, Pa.,*	2 Gerry St.
Penrose, Charles Bingham,	*Philadelphia, Pa.,*	2 Gerry St.
Peters, George Gorham,	*Boston,*	78 Mt. Auburn St.
Peters, William York,	*Boston,*	Little's Block 14.
Porter, Edward Collins,	*East Somerville,*	6 North Ave.
Rand, Edward Lothrop,	*Cambridge,*	16 Quincy St.
Reed, Chester Allyn,	*Cambridge,*	53 Oxford St.
Reed, Fred S. G.,	*Chicago, Ill.,*	H'ke 18.
Ridgly, Edward,	*Springfield, Ill.,*	H. 5.
Roberts, Arthur Wellington,	*Cambridge,*	16 Prospect St.
Rochester, De Lancey,	*Buffalo, N.Y.,*	W. 39.
Rogers, Isaac Lothrop,	*Charlestown,*	17 Franklin St., Charlestown.
Rolfe, John Carew,	*Cambridge,*	405 Broadway.
Rupert, Wells Finch,	*Dubuque, Iowa,*	T. 27.
Saltonstall, Richard Middlecott,	*Chestnut Hill,*	G. 32.
Sanger, Charles Robert,	*Cambridge,*	T. 39.
Sawyer, William Trowbridge,	*San Francisco, Cal.,*	H'ke 15.
Scott, Henry Edwards,	*Wiscasset, Me.,*	G. 51.
Seaver, Harry Ellison,	*Charlestown,*	H. 18.
Seaver, Jonathan Mercer,	*Forest Hills,*	M. 41.
Seaverns, Joel Herbert,	*Roxbury,*	H'ke 1.
Sharon, Frederick William,	*San Francisco, Cal.,*	W. 33.
Simmons, Thornton Howard,	*Boston,*	H'y 13.
Slade, Marshall Perry,	*New York, N.Y.,*	10 Oxford St.
Slater, William Albert,	*Norwich, Conn.,*	Beck Hall 36.
Snelling, Rodman Paul,	*Boston,*	25 Holyoke St.

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Spalding, Samuel Hopkins,	*Wilton, N.H.,*	H. 28.
Sprague, Carleton,	*Buffalo, N.Y.,*	M. 6.
Sprague, Richard,	*Boston,*	W. 12.
Squibb, Charles Fellows,	*Brooklyn, N.Y.,*	14 Concord Ave.
Stanton, Irving Gardiner,	*New Bedford,*	C. 69.
Staples, George Allen,	*Dubuque, Iowa,*	H'ke 16.
Stearns, George Andrew,	*Waltham,*	H. 30.
Stebbins, Roderick,	*San Francisco, Cal.,*	W. 10.
Stephens, Nelson John,	*Lawrence, Kansas,*	25 Holyoke St.
Stetson, Clarence,	*Boston,*	H'ke 84.
Stewardson, John,	*Germantown, Pa.,*	T. 5.
Stuart, Frederic William,	*South Boston,*	C. 82.
Studley, John Butler,	*Concord,*	C. 2.
Sturgis, John Hubbard,	*Brookline,*	T. 10.
Sturgis, Richard Clipston,	*Manchester,*	T. 14.
Sturgis, Robert,	*Philadelphia, Pa.,*	H'y 21.
Suplee, Louis Meredith,	*Philadelphia, Pa.,*	61 Sacramento Pl.
Suter, John Wallace,	*Boston,*	H'ke 21.
Swan, William Donnison,	*Cambridge,*	6 Berkeley St.
Swinburne, George Knowles,	*Newport, R.I.,*	44 Mt. Auburn St.
Taft, Charles Hutchins,	*Cambridge,*	17 Lowell St.
Talbot, Ambrose,	*Everett,*	C. 62.
Taltavall, William Allan,	*Cleveland, O.,*	H. 26.
Tenney, Charles Herbert,	*East Somerville,*	G. 87.
Thayer, Addison Sanford,	*West Medway,*	H. 22.
Thayer, Arnold,	*Brooklyn, N.Y.,*	M. 45.
Thayer, William Roscoe,	*Waverley,*	1 Holyoke St.
Thomsen, Herman Ivah,	*Baltimore, Md.,*	M. 46.
Thorndike, Albert,	*Cambridge,*	22 Garden St.
Tilden, Marmaduke,	*New York, N.Y.,*	Little's Block 1.
Tomlinson, Frank Gibson,	*Charlestown,*	G. 81.
Townsend, Charles Wendell,	*Boston,*	G. 7.
Trenholm, George MacBeth,	*Charleston, S.C.,*	Felton Building 21.
Upham, George Phineas,	*Nahant,*	H'ke 18.
Upton, Eugene Charles,	*South Gardner,*	87 Norfolk St.
Van Buren, Charles Michael,	*Newton,*	T. 38.
Van Schaick, Harry Suprant,	*Florence, Italy,*	17 Kirkland St.
Van Slyck, Henry Swits,	*Brookline,*	G. 23.
Wade, Winthrop Howland,	*Boston,*	T. 61.
Ward, George Morgan,	*Lowell,*	W. 29.
Ware, Edward James,	*Yonkers, N.Y.,*	Dolton's Block 7.
Washburn, Frank Booth,	*Cambridge,*	31 Lee St.
Watson, Paul Barron,	*Cambridge,*	22 Bigelow St.

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Watson, Willis,	*Cambridge*,	22 Bigelow St.
Weeks, Warren Bailey Potter,	*Boston*,	T. 12.
Wentworth, Edward Spencer,	*Roxbury*,	H'ke 24.
Wheeler, Horace Leslie,	*Watertown*,	S. 8.
Whiting, Isaac Spalding,	*Wilton, N.H*,	M. 32.
Whitman, Edmund Allen,	*Louisville, Ky.*,	36 Trowbridge St.
Williams, George Henry,	*Boston*,	20 Prescott St.
Wood, John Gerrish,	*Exeter, N.H.*,	M. 29.
Worcester, William Loring,	*Newtonville*,	19 Oxford St.
Wright, John Allen Collier,	*Rochester, N.Y.*,	G. 9.
Wright, Merle St. Crois,	*Boston*,	T. 32.
Wylie, Samuel,	*Chambersburg, Pa.*,	19 Pemberton Sq., Boston.

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FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
Allen, Alfred Marston,	*Glendale, O.,*	17 Lowell St.
Anderson, Luther Stetson,	*Quincy,*	18 Wendell St.
Andrews, Charles Walker,	*Syracuse, N.Y.,*	W. 40.
Austin, Herbert,	*Boston,*	M. 4.
Averill, Andrew Preston,	*Middleton,*	100 Mt. Auburn St.
Averill, Charles Sidney,	*Middleton,*	100 Mt. Auburn. St.
Babcock, James Woods,	*Chester, S.C.,*	C. 28.
Babson, Robert Tillinghast,	*Gloucester,*	404 Harvard St.
Bache, René,	*Philadelphia, Pa.,*	H'ke 17.
Bacon, Charles Franklin,	*Newton,*	7 Felton St.
Bacon, James Hayward,	*Smithville, N.C.,*	C. 38.
Baird, Chambers,	*Ripley, O.,*	H. 26.
Baker, Edward Wild,	*Brookline,*	C. 68.
Baldwin, Charles Adolphe,	*New York, N.Y.,*	H'ke 25.
Bancroft, Clarence,	*Hopedale,*	H. 2.
Barlow, George Francis,	*Brooklyn, N.Y.,*	16 Trowbridge St.
Bartlett, Charles Hammatt,	*Bangor, Me.,*	H'ke 36.
Beale, Joseph Henry,	*Dorchester,*	T. 8.
Birtwell, Charles Wesley,	*Lawrence,*	10 Acacia St.
Blodgett, William Ashley,	*Boston,*	G. 36.
Bowen, James Williams,	*Boston,*	M. 33.
Boyd, Alexander,	*Boston,*	M. 51.
Boynton, Charles Edgar,	*Haverhill,*	9 Story St.
Bradley, Richards Merry,	*Brattleboro', Vt.,*	Beck Hall 45.
Brown, Charles Jerome,	*Worcester,*	12 Dunster St.
Brown, Frank Taylor,	*Framingham,*	T. 45.
Bryant, John Sweeney,	*Buffalo, N.Y.,*	H'ke 32.
Buell, George Clifford,	*Rochester, N.Y.,*	W. 31.
Bullard, John Eliot,	*Boston,*	465 Broadway.
Burnham, William Henry,	*Dunbarton, N.H.,*	Moore St., Somerville.
Burt, Charles Dean,	*Taunton,*	10 Appian Way.
Burton, Frederick Russell,	*Grafton,*	C. 27.
Bush, Walter Nelson,	*Fall River,*	C. 11.
Cabot, Godfrey Lowell,	*Boston,*	M. 24.
Chalfant, William,	*Unionville, Pa.,*	20 Prescott St.
Chapin, Henry Gardner,	*Springfield,*	W. 23.
Chase, Herman Lincoln,	*Brookline,*	C. 43.
Chase, Walter Greenough,	*Brookline,*	Felton Building 36.
Cheney, Edwards,	*Lowell,*	H'ke 28.

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Clark, Joseph Payson,	*Roxbury,*	T. 40.
Clement, Hazen,	*Boston,*	38 Quincy St.
Cochrane, John McGregor,	*Cambridge,*	14 State St.
Codman, Robert,	*Boston,*	16 Quincy St.
Cole, Frank Nelson,	*Marlboro',*	C. 60.
Comey, Arthur Messinger,	*Somerville,*	4 Granite St., Somerville
Cook, Frank Gaylord,	*Warsaw, N.Y.,*	410 Harvard St.
Coolidge, Joseph Austin,	*Cambridge,*	Coolidge Ave.
Copeland, Charles Townsend,	*Calais, Me.,*	18 Kirkland Pl.
Creesy, Frank Leonard,	*Brookline,*	Felton Building 86
Crehore, Morton Stimson,	*Boston,*	M. 12.
Crockett, Montgomery Adams,	*Medford,*	H'ke 3.
Cruger, James Pendleton,	*New York, N.Y.,*	Beck Hall 7.
Cumming, Robert,	*New York, N.Y.,*	T. 48.
Cunningham, Henry Winchester,	*Boston,*	M. 51.
Cunningham, William de Lancey,	*New York, N.Y.,*	W. 30.
Cutler, Charles Francis,	*Boston,*	W. 25.
Dabney, John Pomeroy,	*Cambridge,*	Sparks St.
Dabney, Ralph Pomeroy,	*Fayal, Azores,*	T. 18.
Dakin, Frank Arthur,	*Natick,*	C. 31.
Danforth, William Henry,	*Plymouth,*	H'ke 42.
Davis, Wendell Phillips,	*Florence,*	36 North Ave.
Dean, Clarence Randall,	*Taunton,*	H'ke 46.
Delaney, Richard,	*Woodville,*	H. 23.
Dickey, Charles Denston,	*New York, N.Y.,*	16 Winthrop St.
Dillenback, Hiram Irving,	*Boston,*	8 Harvard Sq.
Dooling, James Joseph,	*Boston,*	T. 18.
Dunbar, George Bradford,	*Cambridge,*	14 Highland St.
Dunbar, William Harrison,	*Cambridge,*	14 Highland St.
Dunlevy, Hiland Hulburd,	*Chicago, Ill.,*	M. 31.
Dunton, Charles Hamlin,	*Boston,*	13 National St.
Eaton, George Herbert,	*Lawrence,*	C. 13.
Edgerly, Clinton Johnson,	*Manchester, N.H.,*	Little's Block 11.
Eldridge, Frederick Larnac,	*New York, N.Y.,*	M. 31.
Eliot, Charles,	*Cambridge,*	S. 22.
Emerson, Frederick Ware,	*Newton,*	T. 38.
Fearing, Daniel Butler,	*Newport, R.I.,*	Beck Hall 22.
Fearing, Edwin Thayer,	*Hingham,*	T. 25.
Fellows, William Gordon,	*New York, N.Y.,*	Little's Block 5.
Ferguson, Edward Ashley,	*Detroit, Mich.,*	T. 27.
Fernald, Frederick Atherton,	*Boston,*	96 Magazine St.
Firman, Burton Monroe,	*Wakefield,*	C. 1.
Fiske, William Boyd,	*Cambridge,*	9 Clinton St.
Foster, John McGaw,	*Bangor, Me.,*	T. 65.

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Francis, George Hills,	*Brookline,*	G. 44.
French, Harry Cormerais,	*Jamaica Plain,*	H'ke 31.
Fuller, Frank Edward,	*West Newton,*	C. 31.
Gage, Homer,	*Worcester,*	19 Oxford St.
Gardner, Joseph Peabody,	*Boston,*	Little's Block 24.
Gillespie, John,	*Malden,*	H. 24.
Gilman, Henry Hale,	*Haverhill,*	T. 6.
Goddard, Frederic Norton,	*New York, N.Y.,*	T. 16.
Goodnough, Xanthus Henry,	*Brookline,*	C. 68.
Gordon, Lysson,	*Lowell,*	Chestnut Ct., Somerville.
Greenough, James Jay,	*Cambridge,*	M. 38.
Griffin, John Quincy Adams,	*Concord,*	T. 15.
Griswold, Almon Whiting,	*New York, N.Y.,*	Dolton's Block 8.
Guiteras, Ramon B.,	*Bristol, R.I.,*	648 Cambridge St.
Hall, Asaph,	*Georgetown, D.C.,*	C. 42.
Hall, Frederick Stanley,	*Taunton,*	H'ke 46.
Hardon, Henry Winthrop,	*Newton,*	H. 8.
Harlow, Henry Williams,	*Augusta, Me.,*	M. 48.
Hartshorn, George Trumbull,	*Cambridge,*	T. 22.
Haupt, Frank Spangler,	*Mt. Lake, Va.,*	107 Ellery St.
Herrick, William Hale,	*Cambridge,*	7 Norton St.
Heywood, Frank Everett,	*Worcester,*	H'ke 35.
Hoar, Sherman,	*Concord,*	T. 15.
Holman, Charles Harvey,	*Charlestown,*	C. 44.
Hopkins, James Hughes,	*Barnstable,*	H. 9.
Howard, Albert Andrew,	*Ilion, N.Y.,*	20 Prescott St.
Howe, Frank Whitehouse,	*Lowell,*	W. 31.
Howe, William Addison,	*Bolton,*	
Hoyt, Henry Reese,	*New York, N.Y.,*	9 Linden St.
Hubbard, Harry Mascarene,	*Chicago, Ill.,*	Felton Building 24.
Hunt, Frederick Thayer,	*Weymouth,*	49 Linnean St.
Jennings, Charles Green Rockwood,	*Bennington, Vt.,*	10 Plympton St.
Jones, William,	*Quincy,*	20 Holyoke St.
Kane, Woodbury,	*New York, N.Y.,*	Beck Hall 22.
Keep, Charles Hallam,	*Lockport, N.Y.,*	H'ke 8.
Kennett, George Clark,	*St. Louis, Mo.,*	T. 23.
Kent, William Winthrop,	*Buffalo, N.Y.,*	H'ke 36.
Kingsbury, Albert Benjamin,	*Quincy, Ill.,*	H'ke 42.
Kittredge, Ben Rufus,	*Peekskill, N.Y.,*	25 Holyoke St.
Kittredge, George Lyman,	*Boston,*	6 Briggs Pl., Boston.
Knowles, Charles Francis Swift,	*Yarmouth,*	H'ke 41.
Lamprey, William Amos,	*Somerville,*	H. 9.
Lane, Albert French,	*Exeter, N.H.,*	20 Prescott St.
Langdon, Courtney,	*Cambridge,*	5 Hilliard St.

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Lawrence, Prescott,	*Boston,*	Beck Hall 35.
Leatherbee, George Henry,	*Boston,*	M. 53.
Leavitt, Heyward Gibbons,	*New York, N.Y.,*	52 Brattle St.
Lord, Clinton Hill,	*Newton Lower Falls,*	W. 38.
Lothrop, Arthur Prescott,	*Taunton,*	T. 13.
Luce, Robert,	*Somerville,*	G. 3.
Luck, Charles Washington,	*Cleveland, O.,*	28 Dunster St.
Lyons, John Plumer,	*Jacksonville, Fla.,*	26 Holyoke St.
McArthur, Arthur Fred,	*Chicago, Ill.,*	Felton Building 22.
MacDonald, Edward Valentine,	*Fall River,*	C. 11.
McFee, Charles Herbert,	*Haverhill,*	9 Story St.
McKendry, William Henry,	*Canton,*	M. 30.
McKone, William Thomas,	*North Andover,*	C. 46.
Mahon, Charles Henry,	*Lynn,*	H'ke 40.
Manning, William Hobbs,	*Cambridge,*	47 Quincy St.
Mariett, Ernest Homer,	*St. Armand, Quebec,*	C. 28.
Mason, Charles Frank,	*Medfield,*	S. 25.
Mason, John Whiting,	*Brookline,*	C. 43.
Matthews, Albert,	*Boston,*	H'ke 10.
Mayberry, George Lowell,	*Weston,*	8 Harvard Sq.
Merritt, Edward Percival,	*Boston,*	H'ke 31.
Miles, Alfred Eugene,	*Fitchburg,*	M. 13.
Mitchell, Charles Andrews,	*Cleveland, O.,*	S. 29.
Mitchell, Sollace,	*Jacksonville, Fla.,*	H'ke 35.
Morrill, Sam Henry,	*Cambridge,*	209 Harvard St.
Munroe, Henry Whitney,	*Paris, France,*	M. 15.
Nagle, Garrett Edward,	*Cambridge,*	G. 21.
Norman, Hugh Kinsley,	*Newport, R.I.,*	M. 16.
Olmsted, Oliver Allen,	*Le Roy, N.Y.,*	M. 20.
Oxnard, Henry Thomas,	*Boston,*	13 Kirkland Pl.
Paine, Robert Treat,	*Beverly,*	16 Oxford St.
Panin, Ivan,	*Concord,*	25 Holyoke St.
Parsons, Richard Chappell,	*Cleveland, O.,*	H'ke 9.
Pendleton, Elliott Hunt,	*Cincinnati, O.,*	48 Brattle St.
Perin, Edmund Seyon,	*Cincinnati, O.,*	48 Brattle St.
Perkins, John Walter,	*Hyde Park,*	G. 30.
Pickering, McLaurin Jameson,	*Cambridge,*	T. 8.
Potter, Whipple Nahum,	*Roxbury,*	104 Mt. Auburn St.
Prescott, William H.,	*Concord,*	
Preston, John,	*New Ipswich, N. H.,*	C. 30.
Prince, Frederick Henry,	*Boston,*	G. 4.
Putnam, William Lowell,	*Canton,*	M. 24.
Rhinelander, Frederic William,	*New York, N.Y.,*	T. 68.
Rice, Charles Moen,	*Worcester,*	20 Prescott St.

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Richardson, George Morey,	*Framingham,*	H'ke 2.
Richardson, Herbert Augustus,	*So. Framingham,*	S. 25.
Richardson, Hazen Kimball,	*Middleton,*	100 Mt. Auburn St.
Robinson, Lucien Moore,	*Hartford, Me.,*	Lynn.
Ruffin, Herbert St. Pierre,	*Boston,*	170 Cambridge St., Boston.
Rushmore, William Joseph,	*Lockport, N.Y.,*	112 Oxford St.
Russell, John,	*Plymouth,*	H. 19.
Scott, Edward David,	*Richmond, Va.,*	470 Washington St., Boston.
Sedgwick, Henry Dwight,	*Stockbridge,*	T. 9.
Sessions, Archibald Lowery,	*Brooklyn, N.Y.,*	16 Trowbridge St.
Sewall, Harold Marsh,	*Bath, Me.,*	T. 50.
Shippen, Henry,	*Jamaica Plain,*	S. 19.
Slade, Denison Rogers,	*Chestnut Hill,*	410 Harvard St.
Snow, Charles Armstrong,	*Boston,*	T. 67.
Spalding, George Frederick,	*Boston,*	60 Mt. Auburn St.
Stetson, Eliot Dawes,	*New Bedford,*	T. 28.
Stevens, Charles Herbert,	*Cambridge,*	308 Harvard St.
Stevens, Edward Knights,	*Newport, R.I.,*	44 Mt. Auburn St.
Stone, Frederic Mather,	*New Bedford,*	T. 28.
Stone, William Enos,	*Cambridge,*	H'ke 18.
Storer, John Humphreys,	*Boston,*	Little's Block 16.
Sturgis, Charles Inches,	*Philadelphia, Pa.,*	8 Holyoke St.
Thacher, Thomas Chandler,	*Boston,*	M. 53.
Thayer, William Eldridge,	*Dorchester,*	M. 54.
Thaxter, Roland,	*Newtonville,*	Little's Block 16.
Thompson, Frank Harrison,	*Brookline,*	T. 67.
Tilton, Edward James,	*Andover,*	158 Mt. Auburn St.
Torrey, Charles Everett,	*Boston,*	T. 49.
Towne, George Warren,	*Topsfield,*	G. 34.
Townsend, Stephen Van Rensselaer,	*Albany, N.Y.,*	Beck Hall 43.
Tuckerman, Gustavus,	*Gloucester,*	T. 37.
Underwood, Edward Livingston,	*Boston,*	S. 14.
VanBenthuysen, George Chrystie,	*Boston,*	18 Edinboro' St., Boston.
Wagar, Mars Edward,	*East Rockport, O.,*	26 Holyoke St.
Wait, William Cushing,	*Chicago, Ill.,*	28 Holyoke St.
Waring, George Edmund,	*Newport, R.I.,*	C. 19.
Waring, William Bernard,	*Brooklyn, N.Y.,*	M. 1.
Warner, Henry Eldridge,	*Cambridge,*	G. 39.
Warren, Frederic,	*Liverpool, England,*	T. 9.
Washburn, Frederick Leonard,	*Needham,*	H'ke 44.
Washburn, Philip Moen,	*Worcester,*	W. 11.
Webb, John Sydney,	*Washington, D.C.,*	W. 23.

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Weld, James Edward,	*New York, N.Y.*,	M. 30.
Wendell, Evert Jansen,	*New York, N.Y.*,	5 Linden St.
Wendell, Gordon,	*New York, N.Y.*,	5 Linden St.
Wentworth, Elmer Ellsworth,	*Chelsea*,	19 Hilliard St.
Weston, Alfred Jerome,	*Yonkers, N.Y.*,	H'ke 24.
White, Henry,	*Cambridge*,	61 Ellery St.
Whitman, Russell,	*Plymouth*,	T. 22.
Williams, George Walton,	*Charleston, S.C.*,	M. 38.
Williston, Samuel,	*Cambridge*,	15 Berkeley St.
Wister, Owen,	*Branchtown, Pa.*,	T. 58.
Woodbury, Frederick Clinton,	*Boston*,	M. 54.
Woodworth, Herbert Grafton,	*Boston*,	T. 40.
Worcester, Joseph Ruggles,	*Waltham*,	2 North Ave.
Young, Frank Herbert,	*Boston*,	M. 10.

SUMMARY.

SENIORS	200
JUNIORS	174
SOPHOMORES	218
FRESHMEN	227
Total	819

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HARVARD COLLEGE.

REQUISITIONS FOR ADMISSION.

It is expected that in 1881, *and thereafter, Method* 1, *which was first used in* 1878, *will be the sole method of examination; but the claims of candidates whose preparation for College began before September,* 1878, *or whose preparation was far advanced before the new Method became known to them, will be duly considered.*

Method 1.

This method prescribes for the candidate a minimum requisition in every study, and a maximum requisition in two, selected by him from four principal studies.

Every candidate will be required to pass a satisfactory examination in the following eleven subjects: —

1, 2. *Latin.* (1) Caesar, Gallic War I.–IV., with questions on the subject-matter, and on construction and grammatical forms; Virgil, Eclogues and Aeneid I.–IV., with questions on the subject-matter and on prosody: (2) the translation at sight of easy Latin prose; and the translation into Latin of simple English sentences, to test the candidate's practical knowledge of grammar. (The passages set for translation at sight will be suited to the proficiency of those who have studied the prescribed books; and candidates will be supplied with a vocabulary of such words as they cannot reasonably be expected to know.)

3, 4. *Greek.* At any examination previous to those held in 1883, every candidate may offer himself in either of the two following requirements: —

A. (3) The translation at sight of easy passages of Xenophon (suited to the proficiency of those who have studied the first 111 pages of Goodwin's Greek Reader, or the first four books of the Anabasis), with a vocabulary of the less usual words; (4) the translation into Greek of simple sentences, such as those in the first 51 lessons of White's "First Lessons in Greek," to test the candidate's practical knowledge of grammar.

B. (3) The first 111 pages of Goodwin's Greek Reader (or Xenophon's Anabasis I.–IV.) and Iliad I. and II., vss. 1–493, with questions on the subject-matter, and on construction and grammatical forms; and (4) the translation into Greek of simple sentences, such as those in the first 51 lessons of White's "First Lessons in Greek," to test the candidate's practical knowledge of grammar.

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5. *Ancient History and Geography.* Greek History to the death of Alexander; Roman History to the death of Commodus. Smith's smaller Histories of Greece and Rome will serve to indicate the amount of knowledge demanded.

6, 7, 8. *Mathematics.* (6) Arithmetic (Prime and Composite Numbers; Factors, Divisors, and Multiples; Proportion; Decimals, including Percentage, Simple and Compound Interest, and Discount, but not the technical parts of Commercial Arithmetic; Compound Numbers and the Metric System, the necessary tables and data being given on the papers; Square Roots): (7) Algebra, through quadratic equations: (8) Plane Geometry, as much as is contained in the first thirteen chapters of Peirce's Geometry.

9. *Physics.* Rolfe and Gillett's Natural Philosophy for High Schools and Academies (without the Appendix), or Parts I. and II. of Arnott's Physics.

10. *English Composition.* Each candidate will be required to write a short English composition, correct in spelling,* punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of examination. In 1879, the subject will be drawn from one of the following works: —

Shakspere's Macbeth, Richard II., and Midsummer-Night's Dream; Scott's Guy Mannering; Byron's Prisoner of Chillon; Thackeray's Henry Esmond; Macaulay's Essay on Addison; the Sir Roger de Coverley Essays in the Spectator.

Every candidate is expected to be familiar with *all* the books in this list.

In 1880, the subject will be drawn from one of the following works: —

Shakspere's King Lear and Much Ado About Nothing; Gray's Elegy in a Country Churchyard; Johnson's Six Chief Lives of the Poets, with Matthew Arnold's Preface and Macaulay's Life of Johnson; Carlyle's Essay on Johnson; Dickens's Tale of Two Cities; Scott's Quentin Durward.

In 1881, the subject will be drawn from one of the following works: —

Shakspere's Hamlet, and Romeo and Juliet; the first two books of Milton's Paradise Lost; Goldsmith's She Stoops to Conquer; Irving's Life of Goldsmith; Hawthorne's Our Old Home; George Eliot's Silas Marner; Scott's Abbot.

11. *French* or *German.* The translation at sight of easy French prose, or of easy German prose, if the candidate prefer to offer German. It is expected that a knowledge of the language itself will be shown in examination, rather than a knowledge of the grammar; but proficiency in elementary grammar, a good pronunciation, or facility in speaking, will be accepted as an offset for some deficiency in translation. There

* Worcester's Dictionary is the standard.

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will be no required examination in pronunciation, but it is recommended that attention be given to pronunciation from the outset. Candidates who offer German in place of French will be required to study French in place of German during the Freshman year.

Every candidate will also be required to pass a satisfactory examination in at least two of the four following groups of subjects: —

I. LATIN.

1, 2. (1) Cicero's orations against Catiline, and Virgil's Aeneid V.–IX., with questions as in the minimum requirement stated in subjects 1 and 2 above: (2) translation at sight of average passages from Cicero's orations; and Latin Composition.

II. GREEK.

1, 2. (1) The translation at sight of average passages from Herodotus, with such help in notes as should be needed by those who have studied the Herodotus in Goodwin's Reader (pp. 112–191), or pp. 201–280 of Blakesley's text of Herodotus: (2) simple Greek prose composition; and *either* the translation at sight of average passages from the Iliad (the candidate being supplied with a vocabulary of the less usual words), *or* Iliad I., II. vss. 1–493, and III., with questions on the passages set for translation.

[Candidates who are examined in Iliad I. and II. in the course marked *B.* under 3, 4 (above) will be examined in Iliad III., IV., and VI. in place of Iliad I.–III.]

III. MATHEMATICS.

1, 2. (1) Logarithms and Plane Trigonometry; (2) Solid Geometry (as much as is contained in Peirce's Geometry).

IV. PHYSICAL AND NATURAL SCIENCE.

1, 2. (1) Arnott's Physics, as far as Part IV., Section III.; (2) *either* Chemistry (Nichols's Abridgment of Eliot and Storer's Manual), *or* Botany (Gray's "How Plants Grow," with analysis of simple specimens).

In each of the four departments, Latin, Greek, Mathematics, and Physical and Natural Science, two courses will be carried on in the Freshman year: an ordinary course adapted to the state of preparation of those who are admitted with the minimum requirement, stated in subjects 1–9 above; and an advanced course for those who are admitted with the maximum requirement, last given above.

Method 2.

Candidates will be examined, as heretofore, in one of the two following courses of study, each embracing sixteen subjects: —

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Course I.

1. *Latin Grammar* (including Prosody).

2. *Latin Composition and Latin at sight.* This will include the translation at sight of some passage in prose not included in the following requisitions.

3. *Caesar, Sallust, and Ovid.* Caesar, Gallic War, Books I.–IV.; Sallust, Catiline; Ovid, four thousand lines.

4. *Cicero and Virgil.* Cicero, eight orations and the Cato Major; Virgil, Eclogues, and the Aeneid, Books I.–VI.

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5. *Greek Grammar* (including metres).

6. *Greek Composition* (with the accents).

7. *Greek Prose.* Goodwin's Greek Reader; or Xenophon's Anabasis, Books I.–IV., and the seventh book of Herodotus.

8. *Greek Poetry.* Homer's Iliad, Books I.–III., omitting the catalogue of ships.

9. *Arithmetic* (including the metric system of weights and measures, and the use and rudiments of the theory of logarithms). The examples requiring the use of logarithms at the examination will be adapted to a four-place table.

10. *Algebra*, through quadratic equations.

11. *Plane Geometry*, as much as is contained in the first thirteen chapters of Peirce's Geometry.

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12. *Ancient History and Geography.* Greek History to the death of Alexander; Roman History to the death of Commodus. Smith's smaller histories of Greece and Rome will serve to indicate the amount of knowledge demanded in history.

13. *Modern and Physical Geography.* The following works will serve to indicate the amount of knowledge demanded in this subject: in modern geography, Guyot's Common School Geography, or Miss Hall's Our World, No. 2; in physical geography, Guyot's Physical Geography, Parts II. and III., or Warren's Physical Geography, the first forty-nine pages.

14. *English Composition.* Each candidate will be required to write a short English composition, correct in spelling,* punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of examination. In 1879, the subject will be drawn from one of the following works: —

Shakspere's Macbeth, Richard II., and Midsummer-Night's Dream; Scott's Guy Mannering; Byron's Prisoner of Chillon; Thackeray's Henry Esmond; Macaulay's Essay on Addison; the Sir Roger de Coverley Essays in the Spectator.

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* Worcester's Dictionary is the standard.

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Every candidate is expected to be familiar with *all* the books in this list.

[The titles of books for 1880 and 1881 may be found in No. 10 of Method 1, p. 62.]

15. *French* or *German.* The translation at sight of easy French prose or of easy German prose if the candidate prefer to offer German. It is expected that a knowledge of the language itself will be shown in examination, rather than a knowledge of the grammar; but proficiency in elementary grammar, a good pronunciation, or facility in speaking, will be accepted as an offset for some deficiency in translation. There will be no required examination in pronunciation; but it is recommended that attention be given to pronunciation from the outset. Candidates who offer German in place of French will be required to study French in place of German during the Freshman year.

16. *Physical Science.* One of the three following subjects, the selection of the subject being left to the candidate: —

1. *Elementary Botany.*
2. *Rudiments of Physics and of Chemistry.*
3. *Rudiments of Physics and of Descriptive Astronomy.*

The following books will serve to indicate the nature and extent of this requisition: —

In Botany, Gray's "How Plants Grow."

In Physics, Balfour Stewart's Primer of Physics.

In Chemistry, Roscoe's Primer of Chemistry.

In Astronomy, Rolfe and Gillet's Handbook of the Stars (first 124 pages).

Candidates who offer Botany will be required to give evidence that they can analyze simple specimens; and those who offer Physics or Chemistry, that they can perform simple experiments like those described in the Primers referred to above.

Course II.

1. *Latin Grammar* (including Prosody).

2. *Latin Authors.* Caesar, Gallic War, Books I. and II.; Cicero, six orations and the Cato Major; Virgil, Aeneid, Books I.–VI.

3. *Greek Grammar* (including metres).

4. *Greek Authors.* Goodwin's Greek Reader, first 111 pages, or Xenophon's Anabasis, Books I.–IV.; Homer's Iliad, Books I. and II., omitting the catalogue of ships.

5. *Arithmetic.* This requisition is the same as No. 9 of Course 1.

6. *Elementary Algebra.* This requisition is the same as No. 10 of Course I.

7. *Advanced Algebra.* The subject, with the preceding, is regarded as embracing as much Algebra as is contained in the advanced text-books, such as the *larger* Algebras of Todhunter, Loomis, Greenleaf, &c.

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8. *Plane Geometry.* This requisition is the same as No. 11 of Course I.

9. *Solid Geometry* (as much as is contained in Peirce's Geometry).

10. *Plane Trigonometry* (by the Analytic Method; as much as is contained in the first six chapters of Peirce's Trigonometry, or in the large print of the first eight chapters of Chauvenet's Trigonometry, or in Wheeler's Plane Trigonometry).

11. *The Elements of Plane Analytic Geometry* (as much as is contained in Peck's Analytic Geometry, pages 1–151, omitting Articles 40–43, 54, 57–61, 72, 74–76, and the more difficult problems).

12–16. These requisitions are the same as Nos. 12–16 of Course I.

Candidates who enter College on Course II. substitute elective studies, amounting to four exercises a week, either in Mathematics or in some other subject, for the Mathematics of the Freshman year.

No particular text-book in Grammar is required; but either Allen's or Harkness's Latin Grammar, and either Goodwin's or Hadley's Elementary Greek Grammar, will serve to indicate the nature and amount of the grammatical knowledge demanded.

In Latin, the following pronunciation is recommended: *ā* as in *father*, *ă* the same sound, but shorter; *ē* like *ê* in *fête*, *ĕ* as in *set*; *ī* as in *machine*, *ĭ* as in *sit*; *ō* as in *hole*, *ŏ* as in *nor*; *ū* as in *rude*, *ŭ* as in *put*; *j* like *y* in *year*, *c* and *g* like Greek *κ* and *γ*.

Instructors are requested to teach their pupils, in pronouncing Greek, to use the *Greek accents*, and to give (for example) *α* the sound of *a* in *father*, *η* that of *α* in *fate*, *ι* that of *i* in *machine*, &c.

It is earnestly recommended that the requisitions in Latin and Greek authors be accurately complied with. Real equivalents, however, will be accepted; as, for example, under Method 2, Caesar's Gallic War, Books V. and VI., in place of Sallust's Catiline; two additional orations of Cicero in place of the Cato Major; the seventh book of the Aeneid in place of the Eclogues; the last five books of the Aeneid in place of Ovid.

Early in the Freshman year, advanced sections in Latin and Greek are formed, consisting of those who show the greatest proficiency in those subjects.

No partial substitutions or interchanges between Courses I. and II. of Method 2 will be allowed; but candidates can present themselves on *both* courses, or on one course with additional subjects belonging to the other.

No partial substitution or interchange between Method 1 and Method 2 will be allowed, except in cases where the candidate, having passed a preliminary examination under Method 2 before 1878, may be allowed by the Faculty to complete his examination under Method 1.

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If a candidate passes with high credit in any one or more of the following groups of subjects (in Method 1), namely, —

Prescribed Classics (subjects 1, 2, 3, 4),

Prescribed Mathematics (subjects 6, 7, 8),

Prescribed and Elective Latin (subjects 1, 2, and Group I.),

Prescribed and Elective Greek (subjects 3, 4, and Group II.),

Prescribed and Elective Mathematics (subjects 6, 7, 8, and Group III.),

Prescribed and Elective Physics (subject 9 and Group IV.), — such distinction will be noted on his certificate of admission.

A set of recent examination papers will be sent to any address, on application to James W. Harris, Secretary.

PRELIMINARY EXAMINATIONS.

These examinations are held only in June.

Any candidate for admission to College may, at his option, pass the entire examination at one time; or he may pass a preliminary examination on a part of the course, and be examined on the remaining subjects in some subsequent year (not in the same year). But no candidate will be admitted to examination on a part of any subject; and no account will be made of, nor certificate be given for, the preliminary examination, unless the candidate has passed satisfactorily in at least five subjects.

Candidates will be received for the preliminary examination only in subjects in which their teachers give them certificates as prepared.

These certificates must be in the hands of Mr. James W. Harris, Secretary, *one week before the examination period begins; and no person will be received at any preliminary examination who has not presented his certificate at the required time.*

The preliminary examination (in Method 1) will be limited to the prescribed subjects (numbered 1–11), *i. e.* not allowed to include any of the advanced or elective subjects; and certificates will be granted for any five prescribed subjects.

Teachers are advised and requested not to present their pupils for preliminary examination on the *whole* minimum in either Greek, Latin, or Mathematics, unless they mean to prepare them in the advanced subjects in the same study.

Candidates are encouraged to offer *more than two* of the four elective groups of Method 1 at the final examination, provided they have time to do the necessary work in a thorough manner.

OPTIONAL EXAMINATIONS.

A principal aim in providing these optional examinations is to encourage teachers to carry the studies of their brighter and more diligent pupils beyond the bare requisitions for admission, in whatever direction

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taste or opportunity may suggest. Full employment may thus be secured for the most capable student, until he is thought mature enough to enter College; while his greater progress in school will make his college course more profitable, by enabling him to take up his studies at a more advanced stage, or to give more time to the studies of his choice.

THE CLASSICS.

Any candidate for admission to the Freshman Class is at liberty to offer himself in September for additional examination in either the Greek, or the Latin, or both, required during the Freshman year.

The examination in each subject will cover the work of the *preceding* Freshman year.

The general course can be found in the Catalogue (pp. 74–76): further details can be learned by application to Mr. James W. Harris, Secretary.

Those who pass this examination with credit will be admitted to the elective courses in either the classics or other departments, in place of the Freshman studies thus anticipated.

All those who wish to attain distinction in classical studies, or to graduate with Classical Honors, are advised to pass these examinations on entering.

MATHEMATICS.

Students entering College by either method, who wish to join the advanced section in Mathematics, in their Freshman year, must pass the examinations in Logarithms, Plane Trigonometry, and Solid Geometry, held in Elective Group III., of Method 1. These examinations will be open as optional examinations, both in June and September, to any candidate for admission by either method and to any student already admitted to the entering class.

A student entering College in Method 2, Course II., or in Method 1, with Elective Group III., will be admitted to the Advanced Section *without extra examination*, if he has passed creditably in the Mathematical subjects. The design of the Advanced Section is to afford to students of good ability and preparation a more thorough training in Mathematics in their Freshman year than they can gain in the ordinary course, and to facilitate the taking of Second-Year Honors in Mathematics. It is recommended to those who desire to devote special attention in College to Mathematics or Physical Science, and to all who are able to comply with the conditions and would turn their Mathematical study to the best account. But no student will be admitted to the section who does not appear on examination to be well fitted for it.

The greater part of the time of the Advanced Section is at present given to a thorough study of Analytic Geometry, which takes the place of the subjects anticipated, and which may, at the option of the student, be continued to a higher point in subsequent elective courses. The

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members of the section will pursue Algebra with the ordinary sections of the class.

Optional examinations will be held also on the first Saturday of the academic year, in the following subjects :—

1. *Algebra;* as much as is contained in Todhunter's Algebra, Chapters I.–XXXV., XXXVII., XLI.–XLV.

2. *Exercises in Geometry;* for which Chauvenet's Geometry, Appendix, Books I.–VI. inclusive, is recommended as affording a good preparation.

No student will be allowed to present himself at these examinations till he has passed all the examinations necessary for admission to the Advanced Section in Mathematics.

A student who passes the *first* of these examinations successfully will be excused from the study of Algebra in his Freshman year, and allowed to substitute for it special work in Mathematics. A student who passes with high credit in the Mathematical subjects required for admission to the ordinary course, in those required for the Advanced Section, and in the two optional examinations, will receive a certificate of admission to the Freshman Class with highest distinction in Mathematics.

The course pursued by the Advanced Section of the Freshman Class will be counted as a one hour elective towards Second Year Honors in Mathematics, and a special course substituted for anticipated Algebra will also be counted as a one hour elective towards Second-Year Honors.

The examination in exercises in Geometry will be counted as a part of the special examination for Second-Year Honors, if the candidate shall desire it to be so received. Candidates for Second-Year Honors are recommended, however, to take six hours of elective studies, if their other plans permit them to do so, in addition to the work of the Advanced Freshman Section.

Freshmen will be allowed to take elective studies in place of their Mathematics, if they anticipate *all* the Mathematical subjects of the Freshman year, but not otherwise.

PHYSICS AND FRENCH.

The required Physics of the Freshman year may be anticipated in the same manner as the other studies, and elective courses substituted in its place. By a similar arrangement, those candidates for admission who offer German instead of French may anticipate the French required of them in their Freshman year.

PRESCRIBED STUDIES OF THE SOPHOMORE AND JUNIOR YEARS.

Candidates for admission to the Freshman Class, who are prepared to pass a creditable examination upon any of the prescribed studies of the Sophomore and Junior years (see pages 76–80), may pass such exami-

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nation at the beginning of the Freshman year, instead of at the beginning of the year in which the study is pursued, and thereby relieve themselves from attendance at the exercises in that study in College.

ADVANCED STANDING.

A candidate may be admitted to the Sophomore, Junior, or Senior Class, if he appear on examination to be well versed in the following studies: —

1. In the studies required for admission to the Freshman Class.

2. In all the prescribed studies already pursued by the class for which he is offered; and in as many *elective* studies as he would have pursued if he had entered at the beginning of the course, including, if he is offered in course II., elective studies substituted for the Mathematics of the Freshman year.

All candidates for admission to advanced standing must be examined at the times of the regular examinations for admission, and in conformity with the following rules: —

1. All candidates for admission to advanced standing must first be examined for admission to the Freshman Class; for this examination they may offer themselves at either the first or the second examination.

2. The examination on the studies of the Freshman, Sophomore, and Junior years, is held *only in the autumn*, beginning on the Tuesday preceding the last Wednesday in September.

3. All candidates for admission to advanced standing will assemble on the Tuesday preceding the last Wednesday in September, punctually, at eight o'clock A.M., in Harvard Hall.

In the case of graduates of other colleges who seek admission to Harvard College, the examination will be directed to ascertaining whether their previous course of study has been sufficiently extensive, and their proficiency in it sufficiently great, to fit them to join the class for which they offer themselves, a minute acquaintance with all the ground they have previously gone over not being essential. Such candidates should bring evidence of their standing at the colleges where they received their degree.

TIMES AND PLACES OF EXAMINATION.

Two regular examinations for admission to the *Freshman* Class are held each year; one at the beginning of the summer vacation, the other at the beginning of the academic year in the autumn.

In 1879, the first examination will be held in Cambridge and in Cincinnati, Ohio, on Thursday, Friday, and Saturday, June 26, 27, and 28; and the second, in Cambridge only, on Wednesday, Thursday, and Friday, September 24, 25, and 26. For each examination, attendance on the three days is required. Candidates will assemble punctually at 8 o'clock

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A.M., — in Cambridge, in Harvard Hall; in Cincinnati, at some place to be announced in the daily papers of that city.

Candidates who propose to be examined in Cincinnati are requested to send their names to the Secretary of the University before June 15.

Persons who do not intend to enter College will be admitted, on payment of a fee of ten dollars, to the examination at Cincinnati; and, if successful, will receive certificates to that effect.

The *Optional Examinations* will be held at the time of the second examination for admission, beginning on the Tuesday before the last Wednesday in September.

No person will be examined for admission to College at any other time than those above specified.

TESTIMONIALS AND BOND.

All candidates for admission are required, before examination, to produce certificates of good moral character; and students from other colleges are required to bring certificates from those colleges of honorable dismission. *Candidates who divide the examination must produce their testimonials at the time of their final examination for admission.*

Every candidate, if admitted, must furnish to the Bursar a bond for *four hundred dollars*, executed by two bondsmen, one of them a citizen of Massachusetts, as security for the payment of college dues; or, if he prefer, he may make, in place of the bond, a deposit of money with the Bursar for the same purpose.

No officer or student of the University will be accepted as bondsman.

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COURSE OF STUDY

FOR THE DEGREE OF BACHELOR OF ARTS.

The course of study to be pursued by a candidate for the Bachelor's degree is made up in part of studies which are prescribed, and pursued by all students alike, and in part of studies selected by the student himself from the various courses of instruction given in the College.

PRESCRIBED STUDIES.

The prescribed studies occupy the whole of the Freshman year and about one-third of the Sophomore and Junior years. In the Senior year, certain written exercises only are prescribed.

Anticipation of Prescribed Studies.

The prescribed studies of the Sophomore and Junior years being of an elementary character, students who wish to be relieved from attendance at college exercises in one or more of them will be excused from such attendance, if they pass a satisfactory examination in such study or studies at the beginning of the year in which they would regularly pursue the study or studies in College, or at the time of their examination for admission to College. Studies which are pursued only in the second half-year may also be anticipated in the same way in the middle of the year. *No such examination will be deemed satisfactory, unless the student shall succeed in obtaining at least three-fifths of the maximum mark.* The mark obtained when the examination is successful will be credited to the student as his mark on the Annual Scale of the study which forms the subject of the examination. Preparation for these examinations can often be made while the student is preparing for College, or in the long vacation, and time may be thus gained for higher courses of study.

Students who intend to present themselves for such examination in any prescribed study for any academic year must give notice to the Dean in writing before Sept. 1 of that year.

Information concerning the requirements for passing the examination in any study can be obtained from the instructor in that study.

ELECTIVE STUDIES.

In addition to the prescribed studies, each Sophomore is required to pursue courses, chosen by himself from the elective studies,* amounting to *ten* exercises a week for the year; each Junior, courses amounting to *twelve* exercises a week; and each Senior, courses amounting to *twelve* exercises a week. Students are at liberty to attend the instruction in as many other subjects as they may have time and taste for pursuing.

In choosing his electives, the student must satisfy his instructors that he is qualified by his previous training to pursue those which he selects.

* The prescribed Philosophy of the Junior year may be taken as an elective by Sophomores.

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With this limitation, all the courses given in the College are open to him in making his choice; but he is strongly recommended to make his choice with great care, under the best advice, and in such a manner that his elective courses from first to last may form a rationally connected whole.

Undergraduates who intend to study Engineering are recommended by the Scientific Faculty to take, as extras, the courses of Drawing and Surveying in the Scientific School; and those who intend to study Medicine are advised by the Medical Faculty to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages, while in College.

It will be seen that students who prefer a course like the usual prescribed course of American colleges can perfectly secure it, under this system, by a corresponding choice of studies; while others, who have decided tastes, or think it wiser to concentrate their study on a few subjects, obtain every facility for doing so, and still secure in the briefer prescribed course an acquaintance with the elements of the leading branches of knowledge.

THE BACHELOR'S DEGREE.

No student shall be recommended for the degree of Bachelor of Arts until he has attained the minimum mark * in each of the prescribed studies of the college course and of the prescribed number of elective studies, and has, moreover, obtained at least *one-half* of the total maximum mark for the whole course from the time of his admission.

Any student who has not complied with the requisitions for a degree before the end of his college course, may be recommended for a degree in any subsequent year, when he shall have made up all conditions standing against him, and shall have passed all examinations which the Faculty may have required of him on account of his failure to obtain one-half of the maximum mark for the whole course. Any such candidate for the degree of Bachelor of Arts may attend the exercises in any department of instruction in the College, on payment of such fees as are required by the Corporation.

Persons recommended for the degree of Bachelor of Arts shall be divided into two classes, — those recommended for an *ordinary* degree, and those recommended for a degree *with distinction*. Those only shall be recommended for a degree *with distinction* whose scholarship for the whole college course entitles them to a part at Commencement.† This distinction shall be indicated in the diploma by the words *cum laude*. — *From the Regulations of the Faculty.*

* The minimum mark in a *prescribed* study is one-third of the maximum mark; in an *elective* study, two-fifths.

† A part at Commencement is assigned to any student who attains *eighty hundredths* of the maximum mark for the whole college course, or *eighty-seven hundredths* of the maximum mark for the Junior and Senior years combined.

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COURSES OF INSTRUCTION.

I. ANCIENT LANGUAGES.

ELECTIVE COURSES.

Hebrew.

Hahn's or Theile's Biblia Hebraica. — Conant's Gesenius's Gram *Three times a week.* PROF. YOUNG.

Sanskrit.

1. Elements of Sanskrit Grammar. — Hitopadeça (Book I.). *Three times a week.* ASST. PROF. GREENOUGH.

II. THE CLASSICS.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Twenty Lectures on Classical Literature. *Twice a week till Christmas.* MESSRS. HALE, GOULD, and DYER.

ELECTIVE COURSE.

Comparative Philology.

Greek and Latin Comparative Philology (Curtius's Etymology. — Papillon's Greek and Latin Inflexions). *Twice a week.* ASST. PROF. GREENOUGH.

Greek.

PRESCRIBED COURSES.

FRESHMAN YEAR.

MAXIMUM SECTIONS. Lysias (Five Orations). — Plato (Apology and Crito). — Homer (Odyssey, Books I.–XII.). — Translation at Sight. — Sidgwick's Greek Prose Composition. — Goodwin's Greek Moods and Tenses. — Selections from Grote's History of Greece to illustrate the authors read.

The Advanced Sections, in addition to the above course, will read the Clouds of Aristophanes.

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MINIMUM SECTION. Herodotus (Book I.). — Homer (Odyssey, Books I.–VIII.). — Translation at Sight. — Greek Prose Composition. — Goodwin's Greek Moods and Tenses.

Three times a week. ASST. PROF. J. W. WHITE and MESSRS. DYER and L. B. R. BRIGGS.

ELECTIVE COURSES.

1. Aeschylus (Prometheus). — Sophocles (Oedipus Tyrannus). — Demosthenes (Philippics). *Twice a week.* ASST. PROF. J. W. WHITE.

2. Thucydides (Sicilian Expedition). — Aristophanes (Birds). — Homer (Iliad XVIII.). — Lectures on Greek Etymology. *Twice a week.* ASST. PROF. J. W. WHITE.

3. Plato (Phaedo). — Sophocles (Antigone). — Lectures on Greek Philosophy. *Twice a week.* ASST. PROF. J. W. WHITE. (*Not given this year.*)

4. Greek Composition (especially for candidates for Second-Year Honors). Sidgwick's Greek Prose Composition, Parts 1 and 2. — Written Translations. *Once a week.* ASST. PROF. J. W. WHITE.

5. Advanced Greek Composition (especially for candidates for Final Honors). Sidgwick's Greek Prose Composition, Parts 3 and 4. — Written Translations. *Once a week.* PROF. GOODWIN.

6. Arrian (Anabasis). — Polybius (Selections). *Twice a week.* PROF. SOPHOCLES.

7. Demosthenes on the Crown, with parts of Aeschines against Ctesiphon. — Thucydides (parts of Books I., II., and III.). — Athenian History (Times of Pericles and Demosthenes). *Three times a week.* PROF. GOODWIN.

8. Plato (Protagoras and parts of the Republic). — Aristotle (Ethics I.–III. and X.). *Three times a week.* PROF. GOODWIN.

In Course 8 *attention will be directed mainly to the subject-matter of the authors read. Other works of Plato and the Politics of Aristotle will be read in this course in* 1879–80.

9. Aeschylus (Agamemnon). — Sophocles (Electra). — Aristophanes (Frogs). — Pindar (Selections). *Twice a week.* PROF. GOODWIN.

Course 9 *is intended for those who wish to read rapidly and have attained some facility in reading.*

Latin.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Livy (Books XXI. and XXII.). — Cicero (Walford's Extracts, Part I., in connection with Composition). — Horace (Odes and Epodes). —

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Merivale's General History of Rome, Chapters XLII.–LIII. — Extemporaneous Translation and Composition.

The Advanced Sections, beside the above course, will read some further selections from Cicero, and their exercises in composition and extemporaneous translation will be of a more advanced character.

Three times a week. Asst. Prof. Smith and Messrs. Hale and Gould.

ELECTIVE COURSES.

1. Cicero (Epistles). — Terence (Adelphi). — Horace (Satires). *Twice a week.* Asst. Prof. Smith.

2. Cicero (Laelius, pro Murena or pro Sestio). — Terence. — Horace (Satires). *Twice a week.* Asst. Prof. Greenough.

Courses 1 and 2 are substantially the same, and neither of them may be taken by any one who takes or has taken the other.

3. Quintilian (Books X., XII.). — Tacitus (Agricola). — Juvenal. *Twice a week.* Asst. Prof. Smith.

4. Latin Composition (First Course). *Once a week.* Asst. Prof. Smith.

5. Cicero (De Natura Deorum; De Finibus). — Lucretius. *Three times a week.* Asst. Prof. Greenough.

6. Tacitus. — Suetonius. — Horace (Epistles). *Three times a week.* Prof. Lane.

7. Latin Composition (Second Course). *Once a week.* Asst. Prof. Smith.

Course 7 is open only to those who have already taken Course 4 or its equivalent.

8. Plautus. — Cicero. — Catullus. *Three times a week.* Prof. Lane.

9. Latin Composition (Third Course). *Once a week.* Prof. Lane.

Course 9 is open only to those who have already taken Course 7.

III. MODERN LANGUAGES.

English.

PRESCRIBED COURSES.

SOPHOMORE YEAR.

Rhetoric. — Hill's Principles of Rhetoric. — Abbott's How to Write Clearly. — Macaulay's Essay on Addison. — Burke's Speech on Conciliation with America. *Twice a week.* Mr. Ware.

Six Themes. Mr. Perry.

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JUNIOR YEAR.

Six Themes. Prof. Hill and Messrs. Ware and Perry.
Four Forensics. Asst. Prof. Palmer.

SENIOR YEAR.

Four Forensics. Prof. Peabody.

In place of Forensics, Candidates for Honors may substitute an equal number of Theses in their special departments, with the consent of the instructors in those departments.

ELECTIVE COURSES.

1. English Literature. — Chaucer. — Bacon. — Milton. — Dryden. *Three times a week.* Prof. Child.

2. English Literature. — Shakspere. *Three times a week.* Prof. Child.

3. English. — Sweet's Anglo-Saxon Reader. — Selections in Early English Literature. — Lectures. *Twice a week.* Prof. Child.

4. Anglo-Saxon and Early English. — Beówulf (ed. M. Heyne). — Mätzner's Altenglische Sprachproben. *Twice a week.* Prof. Child.

5. Rhetoric and Themes (Advanced Course). *Three times a week.* Prof. Hill.

One hour of Course 5 can be used as an equivalent for Junior required Themes, in which case the course will count as two hours of elective work.

6. Oral Discussion. *Once a fortnight (three hours), to count as a one-hour course. Open to Seniors only.* Prof. Hill.

German.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Whitney's Grammar. — German Stories. *Three times a week.* Messrs. Sheldon and Lutz.

ELECTIVE COURSES.

1. German Plays, Stories, and Essays. — Advanced Grammar. *Twice a week.* Mr. Cook.

2. German Historical Prose (First Course). *Three times a week.* Asst. Prof. Bartlett.

3. German Scientific Prose. *Twice a week.* Mr. Hodges.

4. German Composition and Oral Exercises. *Once a week.* Asst. Prof. Bartlett.

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5. German Historical Prose (Second Course). *Three times a week.* Asst. Prof. Bartlett.

6. Goethe, Lessing, Schiller, Wieland. — Composition. *Three times a week.* Mr. Cook.

7. German Literature since 1750. — Examination of the chief writers of the Classic Period and of later authors (in Prose and Poetry) to Heine, Gutzkow, and Freytag. *Three times a week.* Asst. Prof. Bartlett.

8. Richter. — Goethe (Faust and Aus meinem Leben). — German Lyrics. — Composition. *Three times a week.* Prof. Hedge.

Course 8 will count only as a one-hour study for those who have already taken an elective course in German.

French.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Fénelon's Fables. — Voltaire (Histoire de Charles XII.). — Modern Novels. — Brachet (Grammaire Française). *Three times a week.* Asst. Prof. Jacquinot.

This course is required of Freshmen who, at their examination for admission to College, passed on German instead of French.

ELECTIVE COURSES.

1. About. — George Sand. — French Plays. — Exercises in Conversation and Composition. *Three times a week.* Asst. Prof. Jacquinot.

2. La Fontaine. — Molière. — Racine. — Beaumarchais. — Balzac. — Composition. *Three times a week.* Prof. Bôcher.

3. Pascal. — Montaigne. — Molière. — Corneille. — Boileau. — Demogeot (Littérature). — Composition. — Lectures. *Three times a week.* Prof. Bôcher.

4. Littérature française au XVIIIème siècle. — Themes. — Lectures. *Three times a week.* Asst. Prof. Jacquinot.

Course 4, in three successive years, embraces the French literature of the 17th, 18th, and 19th centuries.

Courses 3 and 4 may be taken twice a week.

5. Old French. — Chanson de Roland. — Chrestomathie de l'Ancien Français. (*Not given this year.*)

6. Historical French Prose. *Twice a week.* Mr. Bendelari.

In Course 6 a large amount will be read, and students will be examined on the matter read as well as on the language. This course can be taken in addition to 1 or 2.

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All the French courses except Course 6 are conducted wholly in French.

A lecture in French, open to all students, will be given every Saturday at 9 o'clock, upon some topic of French literature.

Italian.

ELECTIVE COURSES.

1. G. Gozzi (L'Osservatore). — Silvio Pellico (Le Mie Prigioni). — Toscani's Grammar. — Prose Composition. *Three times a week.* MR. BENDELARI.

2. A. Manzoni (I Promessi Sposi). — Modern Plays. — Torquato Tasso. — Syntax and Prose Composition. *Three times a week.* ASST. PROF. NASH.

3. Ariosto; Boccaccio; Petrarca; Dante (Selections from each). — Nannucci's Manuale della Letteratura del Primo Secolo. — Composition. *Three times a week.* ASST. PROF. NASH.

Spanish.

ELECTIVE COURSES.

1. Prose Selections. — Gil Blas. — Josse's Grammar. — Prose Composition. *Three times a week.* MR. BENDELARI.

2. Modern Plays (Moratin; Hartzenbusch, &c.). — Lope de Vega. — Syntax and Prose Composition. *Three times a week.* ASST. PROF. NASH.

3. Early Spanish Literature: Selections from Cervantes, Calderon, and the Poem of the Cid. — Composition. *Three times a week.* ASST. PROF. NASH.

IV. PHILOSOPHY.

PRESCRIBED COURSES.

JUNIOR YEAR.

Logic. — Jevons's Logic. *Twice a week for a half year.* PROF. PEABODY.

Metaphysics. — Ferrier's Lectures on the Greek Philosophy. *Twice a week for a half year.* ASST. PROF. PALMER.

ELECTIVE COURSES.

1. Cartesianism. Descartes. — Malebranche. — Berkeley. — Hume. *Three times a week.* ASST. PROF. PALMER.

2. Spinoza, Leibnitz, Kant, Fichte, Schelling, Hegel. — Lectures on French and German Philosophy. *Three times a week.* PROF. BOWEN.

3. German Philosophy of the Present Day. Schopenhauer's Die

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Welt als Wille und Vorstellung. — Hartmann's Philosophie des Unbewussten. *Three times a week.* PROF. BOWEN.

Course 3 *is open only to students who take or have already taken course* 2.

4. Psychology. — Bain's Senses and Intellect. — Bain's Emotions and Will. *Three times a week.* ASST. PROF. JAMES.

5. Ethics. — Peabody's Moral Philosophy. — Janet's La Morale. — Lectures on the History of Moral Philosophy. *Three times a week.* PROF. PEABODY.

6. Political Economy. — J. S. Mill's Political Economy. — Financial Legislation of the United States. *Three times a week.* PROF. DUNBAR and DR. LAUGHLIN.

7. Advanced Political Economy. — Cairnes's Leading Principles of Political Economy. — McKean's Condensation of Carey's Social Science. — Lectures. *Three times a week.* PROF. DUNBAR.

Course 7 *is open only to students who have passed satisfactorily on Course* 6 *for* 1877–78.

Any student may take as one of his Sophomore elective studies the prescribed course in Philosophy of the Junior year; and, in his Junior year, in place of the prescribed Philosophy thus anticipated, may take any elective study open to Sophomores or Juniors.

V. HISTORY.

PRESCRIBED COURSE.

SOPHOMORE YEAR.

Freeman's Outlines of General History. — Flanders's Exposition of the Constitution of the United States. — Ewald's The Crown and its Advisers. *Twice a week.* MR. MACVANE.

ELECTIVE COURSES.

1. Later Roman and Early Mediæval History. *Twice a week.* DR. EMERTON.

2. The General History of Europe from the beginning of the Ninth to the end of the Thirteenth Century. *Three times a week.* DR. EMERTON.

3. The Revival of Learning and the Reformation (1300–1550). *Three times a week.* DR. EMERTON.

4. History of England to the Seventeenth Century. *Three times a week.* MR. MACVANE.

5. Colonial History of America to the year 1789. *Three times a week.* DR. LODGE.

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6. History of the United States from 1789 to 1840. *Three times a week.* Dr. Lodge.

7. European History during the Seventeenth Century and first half of the Eighteenth. *Three times a week.* Prof. Torrey.

Course 7 is open to Seniors and Juniors only.

8. European History from the Middle of the Eighteenth Century. *Three times a week.* (*Not given this year.*)

VI. MATHEMATICS.

PRESCRIBED COURSES.

FRESHMAN YEAR.

1. Solid Geometry (Chauvenet). — Plane Trigonometry (Wheeler). — Analytic Geometry (Lectures). *Twice a week till Christmas; three times a week for the rest of the year.* Asst. Prof. Byerly and Mr. G. R. Briggs.

2. Algebra (Todhunter). *Once a week till May* 1. Asst. Prof. C. J. White.

Advanced Section. The work done by the Advanced Section differs from the above in that the course in Analytic Geometry is of a more advanced character, and the courses in Geometry and Trigonometry are omitted. *Four times a week from Christmas to May* 1; *three times a week for the rest of the year.* Asst. Prof. Byerly.

ELECTIVE COURSES.

1. Practical Applications of Trigonometry. — Principles of Surveying. — Spherical Trigonometry. — Applications of Spherical Trigonometry to Astronomy and Navigation. *Twice a week.* Asst. Prof. C. J. White.

2. Differential and Integral Calculus; Elementary Course. *Twice or three times a week.* Asst. Prof. Byerly.

3. Theory of Equations; including Determinants. *Twice a week.*

This course will not be given in 1878–79. *Some of its more important points will be embraced in the third hours of Courses* 2 *and* 4.

4. Analytic Geometry. For students who have a thorough knowledge of the Analytic Geometry of the Right Line (Salmon's Conic Sections, I., II., III., and V.) and an elementary knowledge of the Conic Sections. *Twice or three times a week.* Prof. J. M. Peirce.

5. Differential and Integral Calculus; Second Course. *Three times a week.* Asst. Prof. Byerly.

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6. Quaternions (First Course). *Three times a week.* PROF. J. M. PEIRCE.

7. Descriptive Geometry and Perspective. *Three times a week.* PROF. EUSTIS.

8. Analytic Mechanics. *Three times a week.* PROF. J. M. PEIRCE.

Students are also permitted to elect the course for beginners in Analytic Geometry given to the Freshmen Advanced Section (two hours a week before Christmas, and three hours a week afterwards) as a two-hour elective.

VII. PHYSICS.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Deschanel's Natural Philosophy (Parts I. and II.). *Twice a week.* MR. WILLSON.

ELECTIVE COURSES.

1. Astronomy, Optics, and Acoustics. *Twice a week.* PROF. LOVERING.

Course 1 *may be taken three times a week if the student gives notice to that effect in making his choice of studies.*

2. Practical exercises in the Laboratory, including the use of instruments of precision in testing the laws of Mechanics, Acoustics, Optics, Magnetism, and Electricity; and an extended course in Electrical Measurements. *Three times a week.* ASST. PROF. TROWBRIDGE.

3. Mathematical Physics (Thomson and Tait's Elements of Natural Philosophy, Part I.). *Twice a week.* ASST. PROF. TROWBRIDGE.

4. Undulatory Theory of Light. — Electricity and Magnetism. *Three times a week.* PROF. LOVERING.

5. The Spectroscope and its Applications. — Thermodynamics and Thermics, including the applications of Heat. *Three times a week.* PROF. GIBBS.

Courses 1 *and* 4 *can be pursued only by students who are able to solve readily problems in Algebra and Trigonometry, and Course* 4 *will in addition require similar familiarity with Analytical Geometry. The same requisitions are made for Course* 5, *together with some knowledge of the Calculus.*

In Physics, one lecture a week is given by Professor Lovering throughout the year. This lecture is open to Sophomores, Juniors, and Seniors.

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VIII. CHEMISTRY.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Elementary Chemistry (20 Lectures). *Once a week.* PROF. COOKE.

ELECTIVE COURSES.

1. Descriptive Chemistry (with laboratory work). *Three times a week.* ASST. PROF. JACKSON.

Course 1 *may be taken twice a week.*

2. Determinative Mineralogy and Lithology (with study in the Mineral Cabinet). *Three times a week.* PROF. COOKE and MR. MELVILLE.

3. Qualitative Analysis and Chemical Philosophy (with Laboratory Work). *Three times a week.* ASST. PROF. HILL.

4. Quantitative Analysis (in the Laboratory). *Three times a week.* PROF. COOKE and MR. HODGES.

5. The Carbon Compounds. — Lectures and Laboratory Work. *Three times a week.* ASST. PROF. HILL.

6. Advanced Course in Experimental Chemistry (in the Laboratory). *Three times a week.* PROF. COOKE.

7. Crystallography and the Physics of Crystals (with work in the Mineral Cabinet). *Three times a week.* PROF. COOKE.

Courses 1 *and* 2 *are intended for Sophomores; Courses* 3 *and* 4 *for Juniors; Courses* 5, 6, *and* 7 *for Seniors.*

Courses 3 *and* 4 *are open only to students who have passed the examination on Course* 1. *Course* 5 *is open only to those who have passed the examination on Course* 3.

IX. NATURAL HISTORY.

ELECTIVE COURSES.

1. Physical Geography, Meteorology, and Structural Geology. *Twice a week.* MR. DAVIS.

2. Comparative Anatomy and Physiology of Vertebrates. *Three times a week.* ASST. PROF. JAMES.

3. Zoölogy (Elementary Course). *Three times a week.* DR. MARK.

4. Geology. *Three times a week.* PROF. SHALER.

Previous attendance upon the Summer Course in Geology will be accepted instead of the field-work required in Course 4.

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5. Zoölogy (Advanced Course). *Three times a week.* MR. FAXON.

Course 5 *can be taken only by students who have passed the examinations in Course* 3. *After* 1878–79, *Course* 5 *can be taken only by students who have passed the examination in Course* 6.

6. Elementary Botany. Gray's Structural and Systematic Botany. *Three times a week.* PROF. GOODALE.

Eight lectures on Cryptogamic Botany will be delivered in this course by Asst. Prof. Farlow.

7. Advanced Botany (Lectures and Laboratory Practice). *Three times a week.* PROF. GOODALE and ASST. PROF. FARLOW.

Course 7 *is open only to students who have passed the examinations in Course* 6.

X. MUSIC.

ELECTIVE COURSES.

1. Harmony. *Twice a week.* PROF. PAINE.

2. Counterpoint. *Three times a week.* PROF. PAINE.

3. History of Music. *Three times a week.* PROF. PAINE.

4. The Instrumental Music of Haydn, Mozart, Beethoven, and their successors. *Once a week.* PROF. PAINE.

A knowledge of the Major and Minor keys and some proficiency in piano or organ playing will be required of students who take Course 1 *or* 4.

A knowledge of musical notation and some practical knowledge of vocal and instrumental music will be required of students who wish to take Course 3.

XI. THE FINE ARTS.

ELECTIVE COURSES.

1. Principles of Design in Painting, Sculpture, and Architecture. *Three times a week.* MR. MOORE.

2. The History of the Fine Arts of Construction and Design and their relation to Literature. Definitions. — Oriental and Egyptian Art. — Greek Art. — Roman Art. — Mediæval Art. — The Art of the Renaissance in Italy. *Three times a week.* PROF. NORTON.

3. The Renaissance. *Three times a week.* PROF. NORTON.

In Course 2 *facility in reading French is required, and ability to read German will be of great assistance. A knowledge of Italian will be desirable in Course* 3.

In 1879–80 *no student who is unable to use a German text-book will be admitted to Fine Arts* 2 *or* 3.

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HONORS.

SECOND-YEAR HONORS IN THE CLASSICS AND IN MATHEMATICS.

These Honors are open to Sophomores and Juniors, and to Seniors who intend to be candidates for Final Honors in some year after graduation; they are not open to Freshmen, except by special vote of the Faculty. They are awarded by the Faculty, on the recommendation of a special committee of examiners.

I. Classics. — Second-Year Honors are awarded in *the Classics* on two conditions. The first condition is excellence in the classical work of the Freshman year, and in the work of elective classical courses amounting to six hours a week for one year. The second condition consists in passing with distinction a special examination: —

(*a*) In the translation at sight of passages taken from the less difficult Greek and Latin authors.

(*b*) In Greek and Latin Prose Composition.

(*c*) In the translation of specified portions of Greek and Latin authors.

II. Mathematics. — Second-Year Honors are awarded in *Mathematics* on two conditions. The first condition is distinguished excellence in all the mathematical work of the Freshman year, and in the work of elective mathematical courses amounting to six hours a week for one year.* The second condition consists in passing with distinction a special examination, partly written and partly oral, which will involve a moderate amount of work additional to that comprised in the regular courses, and may be extended to cover the whole mathematical knowledge of the candidates.

The special examinations are held toward the end of the Academic Year.

No one can be a candidate at graduation for Final Honors in the Classics or in Mathematics who has not previously taken Second-Year Honors in the same department, nor for Final Honors in Ancient Languages who has not previously taken Second-Year Honors in the Classics.

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* For candidates in 1879, Courses 2 and 4 (*six hours*) are prescribed; in place of 3 or 4, however, 5, 6, or 7 may be substituted.

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Candidates for Second-Year Honors are required to register their names at the Dean's Office as early as *the first of April* of the year in which they present themselves for examination.

In 1878, Second-Year Honors were assigned to the following students: —

IN CLASSICS.

Junior Class.

Edward Herbert Atherton.
George Todd Coverly.
John Whitney Dalzell.
George Lyman Dolloff.
John Joseph Townsend.

Sophomore Class.

Frederick Hobbs Allen.
Frederic Almy.
William Shankland Andrews.
Charles Edward Atwood.
Henry Cutler Baldwin.
Sherard Billings.
Charles Wesley Bradley.
Walter Cole.
Harold North Fowler.
William Henry Hills.
Henry Champion Jones.
Thaddeus Davis Kenneson.
Arthur Henry Lea.
Arthur Wendell Moors.
John Aloysius O'Keefe.
William George Pellew.
Josiah Quincy.
Howard Townsend.
Frederic Allison Tupper.
Albert Barnes Weimer.

Freshman Class.

Herbert Eveleth Greene.

Highest Honors.

Sophomores.

Edward Southworth Hawes.
Anton Leister.

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IN MATHEMATICS.

Junior Class.

FRANK LINDSAY CRAWFORD.

Sophomore Class.

JAMES BRAINERD FIELD.

Highest Honors.

Sophomore Class.

ARTHUR HALE.
CHARLES AUSTIN HOBBS.
HERBERT MILLS PERRY.

FINAL HONORS.

Special Honors, of two grades, may be given at graduation for great proficiency in one or more of the following departments: Ancient Languages, Classics, Modern Languages, Philosophy, History, Mathematics, Physics, Chemistry, Natural History, Music. The department in which honors are awarded, and the grade of the honors, are stated in the diploma.

A candidate for these Honors in any department must satisfy the following requisitions:—

I. He must have passed *with distinction* examinations: (*a*) on all the prescribed work of the College in that department; (*b*) on elective courses in that or kindred departments,* equivalent, if the department

* The elective courses which candidates for Honors in the several departments are required to take, and those which they are allowed to substitute from other departments, are as follows:—

Ancient Languages. — Two courses of Hebrew or two courses of Sanskrit are required; the additional courses must be in Greek or Latin.

Classics. — A course in Sanskrit and (*if allowed by the Faculty*) graduate course 24 may be substituted for courses of the same number of hours in the Classics.

Philosophy. — Courses 1, 2, and 3 are required. Course 8 in Greek may be substituted in place of one elective course in Philosophy.

History. — Course 6 or 7 in Philosophy and (*if allowed by the Faculty*) graduate courses 23 and 24 may be substituted for the same number of hours in History.

Mathematics. — Courses 2, 4, 5, 6, and 8 are required; but some modification of this rule may be admitted in special cases. Course 3 in Physics will be accepted in place of a two-hour elective course in Mathematics.

Physics. — Courses 2, 4, and 5 in Physics, together with Course 2 in Mathematics, are required; the remaining five hours may be taken in Physics, Mathematics, or Chemistry.

Chemistry. — Courses amounting to at least twelve hours must be taken in the

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be modern Languages, to *nineteen hours* per week for one year; if it be Ancient Languages, Classics, or Mathematics, to *eighteen hours*; if it be History or Natural History, to *seventeen hours*; if it be Physics or Chemistry, to *sixteen hours*; if it be Philosophy or Music, to *fifteen hours*. A candidate for Honors in more than one subject is not allowed, in making up the requisite number of hours, to count any course more than once.

II. If the department be classics, the candidate must be able to read ordinary Greek and Latin at sight, and to write Greek and Latin prose; if it be Modern Languages, he must be able to read French and German at sight, and to write French and German, and must further offer himself for examination in Italian, Spanish, or English.

III. If the department be Classics or Mathematics, he must have taken Second-Year Honors in the department; if it be Ancient Languages, he must have taken Second-Year Honors in Classics.

IV. Whatever be the department, the candidate must present such theses as may be required of him, and must also, near the close of the Senior year, pass an examination before a committee of the Faculty, on the subject in which he offers himself for Honors, for the purpose of testing the range and accuracy of his knowledge of it. This examination may be either oral, written, or by experimental work, as the committee shall determine.

Students who have failed to pass with distinction any of the examinations required for Honors may, with the consent of the Faculty, make up their deficiencies by passing such additional examinations as may be required of them; but no such permission will be granted for failures occurring after the beginning of the Senior year.

Honors, however, will be given to graduates not entitled to Honors at graduation, who shall have complied with all the requisitions for Honors in any department in some subsequent year.

Every student who desires to be regarded as a candidate for Honors at graduation must register his name at the Dean's office before the *first day of June* in his Junior year.

At Commencement, 1878, Honors were assigned to members of the Graduating Class as follows: —

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department of Chemistry; the remaining four hours may be taken in Chemistry, Physics, Mathematics, or Natural History.

Natural History. — Course 6 is required of all candidates. Course 2 in Chemistry may be substituted for one course in Natural History.

Music. — Candidates must have taken one hour in Acoustics in addition to the fourteen hours in Music.

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IN CLASSICS.

GEORGE HENRY BROWNE.
EDWARD BROWNE HUNT.
GEORGE HERMON STEARNS.

Highest Honors.

PAUL SHOREY.

IN PHILOSOPHY.

EUGENE TYLER CHAMBERLAIN.
ERVING ELTING.
ALFRED HARRISON ROGERS.

Highest Honors.

ANDREW DUFF HEFFERN.
BENJAMIN NEWHALL JOHNSON.
PAUL SHOREY.

IN HISTORY.

EDWARD PERKINS CHANNING.
PAUL SHOREY.

IN PHYSICS.

Highest Honors.

HENRY GOLDMARK.

IN CHEMISTRY.

HERBERT CHANNING BURDETT.

Highest Honors.

WILLIAM ZEBINA BENNETT.

IN NATURAL HISTORY.

BARNEY SACHS.

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PRIZES.

I. DETURS.

A distribution of books called *Deturs* is made from the income of the Hopkins Foundation, near the beginning of the Academic Year, to meritorious students of one year's standing. *Deturs* are also given to such members of the Junior Class as, not having received them in the Sophomore year, shall, in the course of that year, make decided improvement in scholarship. Twenty-eight *Deturs* were given in the Sophomore Class and two in the Senior Class, the last year.

II. BOWDOIN PRIZE DISSERTATIONS.

Nine prizes, from the foundation of James Bowdoin, are offered to students resident at the University, who are candidates for any degree of the University: —

I. Two prizes (*one hundred dollars each*) for the best dissertations on any of the subjects enumerated in II., III., and IV., written by graduates of any college who are resident at the University as candidates for a degree, or by members of the Senior Class of 1878–79 in Harvard College.

II. Three prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *The Monadology of Leibnitz in its Relations to Recent Theories concerning the Evolution of Life and Thought.*
2. *The Resumption of Specie Payments in England, and its Consequences.*
3. *The Progress of Knowledge concerning Ancient Egypt in the last Twenty Years.*
4. *The History of the Introduction of Greek Learning and Literature into Italy, in the Fourteenth and Fifteenth Centuries.*
5. *Hugo Grotius.*
6. *The Career of Garibaldi.*
7. *The Dramatic Element in English Poetry of the Nineteenth Century.*
8. *Disraeli's Political Principles and Career as illustrated and explained by his Novels.*

III. (*a*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best dissertation on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

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1. *The Arguments for and against the Unity of the Iliad and Odyssey.*
2. *Lucretius as the Precursor of Modern Positivism and Fatalism.*
3. *Our Views of the Relations of Early Greece to Foreign Countries, as affected by Late Discoveries.*
4. *The Comparative Popularity of Greek and Latin Literature at the Present Day.*
5. *Historic or Moral Grounds for Plato's Exclusion of Poets from his Ideal State.*

(*b*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best translation of any of the following passages, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *A Translation into Attic Prose of the passage from the Edinburgh Review for October*, 1853, *beginning "In political and social organizations,"* and ending "*comedies of Aristophanes;*" to be found in Mill's "Dissertations and Discussions," III. pp. 201–205 (Boston edition).
2. *A Translation into Latin from Prescott's Conquest of Mexico, Book III., Chap. IX., to the sentence beginning "Cortés' first care was."*

IV. Two prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *The Telephone, the Microphone, and the Phonograph.*
2. *The Supposed Intra-Mercurial Planet.*
3. *Physical Sciences in France during the Eighteenth Century.*
4. *The Direction of the Future Development of the Steam Engine.*
5. *The Scientific Mind.*
6. *Science in the Secondary Schools.*
7. *Oxygen in the Sun.*
8. *The Relations of Phyllotaxis to the Floral Envelopes.*
9. *The Origin of Marine Currents.*

Dissertations offered by *Seniors of* 1878–79 *must* be deposited with the Dean of the College Faculty on or before Commencement, 1879. All other dissertations for these prizes *must* be deposited with the Dean of the College Faculty on or before the *first day of November*, 1879. The title-page must, with an assumed name, state the standing of the writer, as Graduate or Undergraduate, and, if the latter, of what class, and in what department of the University. A sealed letter must be sent in at the same time, under cover with the dissertation, containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter-paper, of good quality, of the quarto size, with a margin of not less than one inch at the top and bottom, and on each side, so that, if successful, they may be bound

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up without injury to the writing. The sheets on which the dissertation is written must be securely stitched together.

The dissertations must not exceed in length the amount of twenty-five printed pages of the North American Review.

The authors of successful dissertations are invited to read them in public at a place and time to be designated by the Dean.

The following persons received prizes in 1878: —

Jesse Walter Fewkes, *of the Class of* 1875, *a Prize of* $100.
Robert Holliston Worthington, *of the Class of* 1877, *a Prize of* $100.
Henry Watmough Montague, *of the Class of* 1878, *a Prize of* $50.
Barney Sachs, *of the Class of* 1878, *a Prize of* $50.
Bayard Tuckerman, *of the Class of* 1878, *a Prize of* $50.
William Bancroft Hill, *of the Class of* 1879, *a Prize of* $100.
Webster Kelley, *of the Class of* 1879, *a Prize of* $75.

III. BOYLSTON PRIZES FOR ELOCUTION.

On the second Thursday of May of each year, there is a public exhibition and trial of the skill and proficiency of the students of the College in elocution, at which the Boylston Prizes are awarded.

The speakers are not to rehearse their own compositions, but to select pieces in prose or verse from English, Greek, or Latin authors. The selections must be approved by the Boylston Professor of Rhetoric and Oratory. The proportion in English is to be at least two out of three.

The competitors must be graduates of the year, or undergraduates of one of the next two classes; and their names must be entered with the Professor *before the first day of May*. No applications will be received after that time.

The Corporation, and five gentlemen selected by the Corporation, will act as judges and award the prizes as follows: —

Two First Prizes, of *sixty dollars* each; and three Second Prizes, of *forty-five dollars* each. The First Prizes may be withheld if none of the competitors appear to deserve them.

At this exhibition, no prompting of the speakers will be allowed; and a failure of memory in any one will exclude him from being considered in the assignment of the Prizes.

The following Prizes were assigned June 20, 1878: —

FIRST PRIZES.

Edward Robinson, *of the Class of* 1879.

SECOND PRIZES.

Frank Donaldson, *of the Class of* 1879.
Henry Osborn Taylor, *of the Class of* 1878.
Charles Henry Vinton, *of the Class of* 1878.

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IV. LEE PRIZES FOR READING.

Early in the year 1879–80, Prizes will be awarded for excellence in reading aloud English prose, as follows: —

I. To Freshmen, Prizes to the amount of $150; no one to be more than $50, or less than $20. Every competitor will be required to read from one of the prose works announced in the requisitions for admission in English composition (p. 62).

No Freshman will be allowed to read for these Prizes, who does not present, from the master of the school at which he was fitted for College, a certificate to the effect that his excellence in reading qualifies him to compete; or who, in the absence of such certificate, fails to satisfy the Professor of Elocution that he is so qualified.

II. To Sophomores, Prizes to the amount of $150; no one to be more than $50, or less than $20. For these Prizes no one will be allowed to compete who has not received instruction in his Freshman year from the Professor of Elocution.

All Prizes may be withheld, if no competitor appears worthy of a Prize.

In 1878, Prizes were awarded as follows: —

Sophomores.

Curtis Guild, *a Prize of forty dollars.*
John Prescott Farnsworth, *a Prize of twenty-five dollars.*
Fred S. G. Reed, *a Prize of twenty-five dollars.*
Harry Ellison Seaver, *a Prize of twenty-five dollars.*
Edmund Allen Whitman, *a Prize of twenty-five dollars.*

Freshmen.

The name of the Preparatory School from which the Student came to College, and the amount of the Prize, are given in each case.

Clinton Hill Lord, *Newton High School*, $40.
Burton Munroe Firman, *Phillips Andover Academy*, $35.
Henry Winthrop Hardon, *Newton High School*, $25.
William Hobbs Manning, *Roxbury Latin School*, $25.
Samuel Williston, *Cambridge High School*, $25.

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HOLDERS OF SCHOLARSHIPS.

In 1878, Scholarships * were assigned to the following students: —

Class of 1878.

	Name of Scholarship.
Andrew Duff Heffern,	Matthews.
Charles Frederic Chamberlayne,	Matthews.
Herbert Morison Clarke,	Matthews.
William Henry Schaefer,	Matthews.
Clinton William Lucas,	Matthews.
John Butterworth Harding,	Matthews.
Samuel Shepherd,	Farrar.
Edgar Hamilton Nichols,	Thayer.
George Hermon Stearns,	W. S. Eliot.
Edward Perkins Channing,	Bowditch.
Edward Emerson Phillips,	Bowditch.
Edward Browne Hunt,	Bowditch.
Edward Richardson Bacon,	Bowditch.
Frederick Lutz,	Bowditch.
George Henry Browne,	Morey.
William John Oliver,	Townsend.
Herbert Channing Burdett,	Townsend.
William Zebina Bennett,	Townsend.
John Clarence Lee,	Levina Hoar.
William Sullivan,	Browne.
Joseph French Johnson,	Bassett.
Lafayette Gilbert Blair,	Shattuck.
George Miller Pinney,	Shattuck.
Henry Austin Wood,	Shattuck.
Herbert Floyd Willis Morse,	Shattuck.
William Anthony Spinney,	Pennoyer.
Edward Howard Cobb,	Pennoyer.

* A list of the Scholarships together with the conditions on which they are awarded will be found on pp. 97–103.

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Class of 1879.

William Schofield,	Thayer.
Wallace Macfarlane,	Thayer.
George Faunce,	Thayer.
Frank Lindsay Crawford,	Matthews.
William Bancroft Hill,	Tappan.
John Alden Thayer,	Bowditch.
Ralph Waterbury Ellis,	Bowditch.
Henry Edgar Madden,	Bowditch.
John Whitney Dalzell,	Bowditch.
Edward Herbert Atherton,	Bowditch.
Abram Duane Hopkins,	Bowditch.
Frank Leslie Porter,	Sewall.
Samuel Delano,	Townsend.
Benjamin Rand,	Townsend.
Albert Poor,	Class of 1814.
Charles Culp Burlingham,	Shattuck.
George Ashton Black,	Shattuck.
William Warren Case,	Shattuck.
George Henry Burrill,	Abbot.
George Lyman Dolloff,	Shattuck.
John Augustus Brown,	Shattuck.
Francis Wayland Anthony,	Hollis.
William Henry Sylvester,	Bassett.
Charles Nathan Osgood,	Matthews.

Class of 1880.

Anton Leister,	Thayer.
Albert Bushnell Hart,	Thayer.
Henry Cutler Baldwin,	Thayer.
Edward Southworth Hawes,	Matthews.
Thaddeus Davis Kenneson,	Matthews.
John Aloysius O'Keefe,	Savage.
Albert Barnes Weimer,	Townsend.
Louis May Greeley,	Class of 1802.
Frederick Jordan Ranlett,	Townsend.
John Wesley Houston,	Bowditch.
William Henry Hills,	Bowditch.
Frederic Allison Tupper,	Bowditch.
Henry Champion Jones,	Bowditch.
Charles Austin Hobbs,	Bowditch.
Frederick Dolbier Jordan,	Bowditch.
George Murdock Perry,	Class of 1817.

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Charles Henry Morss,	Sever.
Harold North Fowler,	Shattuck.
Henry Wilson Savage,	Shattuck.
George Baptiste Hatch,	Shattuck.
Walter Horton Rhett,	Pennoyer.
James Brainerd Field,	Bassett.

Class of 1881.

Arthur Orcutt Jameson,	Thayer.
William Coolidge Lane,	Thayer.
Frederic Joaquim Barbosa Cordeiro,	Thayer.
Edwin Cull Howell,	Matthews.
Henry Olmstead Jones,	Gorham Thomas.
Edward Sprague Rand,	Matthews.
John Norton Johnson,	Bowditch.
Joel Herbert Seaverns,	Bowditch.
James Robbins Howe,	Bowditch.
John William O'Callaghan,	Bowditch.
Richard Edwards,	Bowditch.
Farley Brewer Goddard,	Bowditch.
Otto Mueller,	Morey.
Howard Agnew,	Levina Hoar.
Frank Clinton Fernald,	Class of 1841.
Joseph Elwyn Maxfield,	Shattuck.
Fred S. G. Reed,	Shattuck.
Samuel Hopkins Spalding,	Shattuck.
Charles Howard Atkins,	Class of 1885.
Chester Allyn Reed,	Walcott.
John Gerrish Wood,	Pennoyer.
Frank Woods Baker,	Matthews.

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PECUNIARY AID.

The experience of the past warrants the statement that good scholars of high character but slender means are seldom or never obliged to leave College for want of money.

SCHOLARSHIPS.

One hundred and twelve Scholarships have been established in the College, varying in their annual income from forty dollars to three hundred and fifty. They are awarded by the Corporation, unless it is otherwise stated.

PENNOYER SCHOLARSHIPS. Four; two with an income of one hundred dollars, and two with an income of ninety dollars each. In 1670 William Pennoyer of England gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars; one of the latter, as often as occasion shall present, to be of the posterity of Robert Pennoyer, and the other from New Haven Colony, if conveniently may be.

BROWNE SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by William Browne of Salem and his descendants. In 1687 William Browne, first, bequeathed to the College one hundred pounds, to be improved for the bringing up of poor scholars. In 1708 Benjamin Browne bequeathed two hundred pounds for the same purpose, giving the preference to Salem scholars. In 1716 Major William Browne, second, brother to Benjamin, bequeathed one hundred pounds, the income to be used to help support his descendants while students at the College; if none there, then to help maintain poor scholars from Salem. In 1720 Colonel Samuel Browne gave one hundred and fifty pounds for the same purpose; and added to this gift by his will, in 1781, his estate in Hopkinton, the income therefrom to be used for bringing up poor scholars, those recommended by his posterity to be preferred.

SEWALL SCHOLARSHIPS. Two, with an income of two hundred and fifty dollars each. In 1696 Judge Samuel Sewall of Boston and his wife Hannah conveyed to the College a farm of five hundred acres at Petaquamscot in the Narragansett country, otherwise called King's Province; the income therefrom to be appropriated to the support and education of youths of insufficient means, those from Petaquamscot aforesaid, if any, to be preferred.

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HOLLIS SCHOLARSHIPS. Two, with an income of one hundred and twenty-five dollars each. Founded by Thomas Hollis of London in 1722, and his brother, Nathaniel Hollis, in 1732, for the benefit of pious young students designed for the ministry, and who may be needy and deserving.

SALTONSTALL SCHOLARSHIPS. Two, with an income of one hundred and fifty dollars each, in the gift of the board of Overseers. In 1730 Madam Mary Saltonstall, widow of Gov. Gurdon Saltonstall of Connecticut, bequeathed to the College one thousand pounds, the income of which is to be given to two persons without means, of bright parts and good diligence (always dissenters), to fit them for the service of the Church of Christ; those related to the giver by consanguinity to be preferred. In 1845 Leverett Saltonstall of Salem added to this fund a bequest of five hundred dollars.

ALFORD SCHOLARSHIP, with an income of forty dollars. In 1785 Mrs. Joanna Alford of Charlestown made a bequest of one hundred and thirty-three pounds, six shillings, and eight pence, the income from which is to be appropriated to the education of students in indigent circumstances.

SENIOR EXHIBITION, with an income of ninety dollars. In 1821 a fund of twelve hundred dollars was established, the income of which is to be granted annually to the most distinguished scholar among the indigent members of the Senior Class.

SHATTUCK SCHOLARSHIPS. Twelve, with an income of one hundred and fifty dollars each, from a bequest made by Dr. George Cheyne Shattuck of Boston, in 1847, for the benefit of needy persons of superior merit pursuing at the College the study of any language or languages, or of mathematics or any branch thereof.

ABBOT SCHOLARSHIP, with an income of one hundred and fifty dollars. A fund of two thousand dollars, contributed by persons educated at Phillips Exeter Academy, was established in 1852 in memory of Dr. Benjamin Abbot. The income of this fund is payable to such needy undergraduate as may be selected by the Faculty for scholarship and good character; descendants and other relations of Dr. Abbot and the best scholars from said Academy are to be preferred in the order named.

KIRKLAND SCHOLARSHIP, with an income at present of two hundred and fifty dollars; founded in 1852 by the Class of 1815 in memory of President Kirkland. The income of the fund is to be applied at the discretion of the Corporation; descendants of members of said Class to have the preference as beneficiaries.

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SCHOLARSHIP OF THE CLASS OF 1814, with an income of two hundred dollars. In 1853 this Class raised by subscription a fund of two thousand three hundred dollars, the income of which is to be paid to some meritorious undergraduate holding a respectable rank as a scholar, preference to be given to descendants of members of said Class.

WALCOTT SCHOLARSHIPS. Two, with an income of one hundred dollars each. Founded by Samuel Baker Walcott in 1855. The income of the fund, when not less than two hundred dollars, is to be divided equally between two needy and meritorious undergraduates, who are to be nominated by the Faculty and appointed by the President and Fellows.

THAYER SCHOLARSHIPS. Twelve, with an income of three hundred dollars each. In 1857 John Eliot Thayer of Boston bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to a certain number of the most meritorious scholars in Harvard University who may actually need the same.

BOWDITCH SCHOLARSHIPS. Twenty-three, with an income of two hundred and fifty dollars each, founded in 1860 by Nathaniel Ingersoll Bowditch of Boston, and to be distributed by the President equally among the several Classes to poor and deserving students according to their rank or self-improvement.

BENJAMIN D. GREENE SCHOLARSHIP, with an income of one hundred and twenty dollars. Founded in 1860 by Benjamin D. Greene of Boston who bequeathed one thousand dollars to the College "to establish a scholarship for a poor scholar, the appointment thereto to be vested in the President for the time being."

TOWNSEND SCHOLARSHIPS. Six, with an income of two hundred and fifty dollars each, founded in 1861 by Miss Mary P. Townsend of Boston, by a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

STORY SCHOLARSHIP, with an income of one hundred and fifty dollars. A gift of two thousand dollars was received in 1864 from Augustus Story of Salem, who directed that the income should be awarded by the President, without special reference to class rank, to such deserving applicant as might by his mental power, general character, and physical health, give the largest promise of usefulness.

SCHOLARSHIP OF THE CLASS OF 1817, with an income of two hundred dollars. This Class founded a scholarship in 1864, to be awarded to some meritorious undergraduate of respectable standing as a scholar, but without special reference to academic rank; and descendants of members of the Class are to have the preference as applicants.

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SCHOLARSHIP OF THE CLASS OF 1835, with an income of one hundred and fifty dollars; founded in 1865 by the Class of 1835 for the benefit of meritorious young men, whether descendants of members of the class or otherwise.

GORHAM THOMAS SCHOLARSHIP, with an income of two hundred and fifty dollars. In 1865 Dr. Alexander Thomas of Dorchester gave three thousand dollars, to found a Scholarship in memory of his son, a graduate of the College.

BIGELOW SCHOLARSHIPS. Three, with an income of two hundred and fifty dollars each. The sum of ten thousand dollars was received in 1865 as the bequest of Tyler Bigelow of Watertown, the income thereof to be given to indigent undergraduates selected by the Corporation with reference to habits of industry and earnest effort, and without regard exclusively to rank.

MOREY FOUNDATION. From a bequest of George Morey of Boston in 1866, yielding about five hundred dollars, which may be divided into two Scholarships, to be awarded to undergraduates of satisfactory conduct and proficiency; the descendants of Rev. George Morey to have the preference.

TOPPAN SCHOLARSHIP, with an income of three hundred dollars. In 1868 Mrs. Ann Toppan of Portsmouth, N. H. bequeathed five thousand dollars to found a Scholarship in memory of her husband, Christopher S. Toppan.

SEVER SCHOLARSHIP, with an income of one hundred and seventy-five dollars. Founded by Colonel James Warren Sever of Boston in 1868. The income from this fund is to be awarded to some meritorious undergraduate without exclusive reference to academic rank; applicants from Kingston and Plymouth are to have the preference.

SCHOLARSHIP OF THE CLASS OF 1802, with an income at present of two hundred and fifty dollars. The class fund of six thousand dollars was received by the College in 1870. The income of the fund is to be used to aid needy and meritorious descendants of members of the Class, and other indigent and deserving students.

MATTHEWS SCHOLARSHIPS. Fifteen, with an income of three hundred dollars each. Founded by Nathan Matthews of Boston in 1870. The income of the fund is for the aid of needy and deserving scholars; those intending to study for the ministry of the Protestant Episcopal Church to be preferred.

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FARRAR SCHOLARSHIP, with an income of about three hundred and fifty dollars. Founded by Mrs. Eliza Farrar of Springfield in memory of her husband, Professor John Farrar. The income of her bequest of five thousand dollars, made in 1870, is for the aid of one meritorious undergraduate.

SCHOLARSHIP OF THE CLASS OF 1841, with an income at present of one hundred and seventy-five dollars. The class fund of two thousand dollars was received in 1871, and the income is to be paid to some one deserving undergraduate; descendants of members of the class to have the preference as candidates.

JAMES SAVAGE SCHOLARSHIP, with an income of three hundred dollars. Founded by James Savage of Boston in 1878.

WILLIAM WHITING SCHOLARSHIPS. Two, founded by William Whiting of Boston in 1874, not yet available.

WILLIAM SAMUEL ELIOT SCHOLARSHIP, with an income of three hundred dollars. Founded in 1875 by Samuel Eliot of Boston in memory of his son. The income of the gift of five thousand dollars is payable by preference to a student taking a Greek elective, if any such be needy; otherwise, to any student or students at the discretion of the Dean.

DANA SCHOLARSHIP OF THE CLASS OF 1852. Founded by Mrs. Ann F. Schaeffer "in memory of her late son Charles F. Dana," not yet available.

LEVINA HOAR SCHOLARSHIP, with an income of two hundred dollars. From a bequest of Miss Levina Hoar of Lincoln, in 1876, for the benefit of needy and meritorious students; preference always to be given to those from the town of Lincoln, in Massachusetts.

BASSETT SCHOLARSHIPS. Three, with an income of about one hundred dollars each. Francis Bassett of Dennis bequeathed in 1876 five thousand dollars, the income of which is payable equally to three undergraduates, one of the Sophomore, one of the Junior, and one of the Senior Class, to be selected by the Faculty, and to stand above the medium rank in their respective Classes.

SLADE SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1877 by Dr. Daniel Denison Slade of Chestnut Hill, who gave for the purpose five thousand dollars, the income of which is pay-

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able to some meritorious young man who has been at least one year in the College; the benefactor's sons, if at any time candidates, to have the preference.

CROWNINSHIELD SCHOLARSHIPS. Two, founded by Francis B. Crowninshield of Boston in 1877, not yet available.

HODGES SCHOLARSHIP. Founded by Rev. Richard Manning Hodges of Cambridge in 1878, not yet available.

None but those who need assistance are expected to apply for Scholarships; and, among applicants, the highest scholars on the work of the preceding year have the preference, except where the assignment is affected by special provisions, as stated above.

No student who has incurred a serious college censure in the course of the year will be considered a candidate for a Scholarship; nor any student who obtains leave of absence for the year in which the Scholarship would be payable.

Applications from persons who wish to be considered candidates will be received *on or before the first day of June* of each year. The nominations and appointments are made at the beginning of each academic year; except that the Bigelow Scholarships are awarded by the Corporation to Freshmen soon after their entrance. The successful candidates for other Scholarships receive one-third of the annual income immediately upon the assignment of the Scholarships, one-third in January, and the remaining one-third on the first of April following. The Scholarships for the Senior Class are assigned before Commencement, as soon as the annual scale for that class can be prepared, and the entire annual income of the Scholarships so assigned is paid immediately.

Aid from the Beneficiary Funds must be applied for in a separate petition.

The Scholarships, when voted, are understood to cover the college year just ended; and the enjoyment of a Scholarship for one year will not constitute any title to a second nomination, unless the superiority for which it was originally awarded be fully maintained.

BENEFICIARY FUNDS.

Various other bequests and donations to the College have from time to time been made, the income of which is appropriated for the aid of deserving students in narrow circumstances. The annual amount thus appropriated is about seven hundred and fifty dollars, which has usually been distributed in gratuities ranging from thirty to one hundred dollars.

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Applications for aid from the Beneficiary Fund are addressed to the Dean, and must be presented to him on or before *the first day of June*, by the student's parent or guardian, or by the student himself, if of age. The application should state particularly the circumstances of the case, with the reasons for asking aid.

LOAN FUND.

In addition to the Beneficiary Funds above mentioned, there is a Loan Fund, the interest of which, amounting annually to about twenty-four hundred dollars, is lent to meritorious students desirous of receiving it, in sums ranging from fifty to one hundred and fifty dollars. This fund is under the control of a Board of Trustees, in Boston. More than eight thousand dollars have been already added to the principal, by reimbursements.

The applications for the Loan Fund should be left with the Dean as early as *the first day of December*.

The Trustees of the Fund request applicants for loans to observe the following rules: —

"1. To address their applications to the Treasurer of the Loan Fund, Hon. John Lowell, Boston, and give them to the Dean.

"2. To set forth their circumstances fully, as they would do on making application to an individual for like aid.

"3. To state what aid they have received, or expect to receive, from the College.

"4. If an applicant is under twenty-one years of age, his application must be accompanied by the written approval of his parent or guardian."

MONITORSHIPS, &c.

Besides the foregoing provisions for the aid of meritorious students, the various monitorships, &c., amount to about one thousand dollars a year; which may be considered an addition, to that extent, to the beneficiary means of the College.

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EXPENSES.

The necessary expenses of an UNDERGRADUATE, not including clothing and cost of living in the Summer vacation, are from $400 to $650 a year.

The chief items are the following: —

Instruction, Library, Lecture-room, Gymnasium, &c.,	$150.00	$150.00
Rent and care of Room, in the College Buildings (with chums)	from 30.00	to 100.00
Board for 38 weeks	„ 152.00	„ 304.00
Text-books (average)	„ 20.00	„ 25.00
Total . . .	„ $352.00	„ $579.00

Other expenses vary with the economy of each student. Wood and coal ready for use are delivered at the students' rooms, by Cambridge and Brighton dealers, at market prices. The rent of furnished rooms in private houses in the immediate vicinity of the College is from $75 to $250 per annum. By going half a mile from the College, the student may get cheaper rooms. The price of board at present is from $4.00 to $8.00 a week. Students living in college buildings find their own beds and furniture.

Students joining the Harvard Dining Association can board at Memorial Hall at cost. It is expected that the cost of board per week will not exceed four dollars.

COLLEGE BILLS.

☞ The bills containing college charges are made out by the Bursar, and are to be called for at his office. Each bill will contain one-third of the annual charges. The first bill will be ready for delivery December 22, and is to be paid on or before January 12. The second bill will be ready for delivery March 15, and is to be paid on or before April 5. The third bill will be ready for delivery one week before Commencement, and is to be paid on or before October 10; but the third bill of the *Senior year* must be paid at least one day before Commencement. Students who leave college before graduating must pay in full all college bills at the time of leaving.

The Bursar is authorized to make the following deduction from the full year's tuition-fee in Harvard College, in cases of absence during part of the year, without regard to the cause of absence: —

For absence not less than three consecutive months at any time of the year, $30 to be deducted.

For absence during the whole year, not including the final examinations, $100 to be deducted.

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Students claiming deductions as above must file, at the Bursar's office, a certificate from the Dean as to the fact and duration of absence.

Any student required to pass an examination, in order to remove a *condition*, will have one opportunity to make up such deficiency, free of charge; *but, thereafter, for each attempt to make up the deficiency, a fee of three dollars will be charged.*

ASSIGNMENT OF COLLEGE ROOMS FOR 1879–80.

Students living in college buildings, who wish to re-engage their present rooms for the academic year 1879–80, must sign a new room-agreement at the Bursar's office before April 1. Where only one of two room-mates signs the room-agreement, the name of the other must be given. The whole rent of the room and other room expenses will be charged to the person who signs the room-agreement.

Students who re-engage their present rooms or engage new ones will be required to conform to such regulations in regard to the employment of servants as may be made by the College.

Seniors, and graduates whose connection with the University has not been severed, can re-engage their present rooms or apply for other rooms, for their own occupation only, provided they have decided to pursue their studies in Cambridge during the next year.

A list of college rooms for which members of the College and of the Scientific School (and graduates as above mentioned) can apply, with blank forms of application, will be given to all who ask for it at the Bursar's office after April 6. No applications will be considered, unless made upon these blanks. On April 19, the assignment of rooms will be made by lot, and all applications must be filed at the Bursar's office *before* that day. The result of the allotment will be published April 20.

Students are advised not to apply for rooms until they have fully decided that they wish to occupy them, as every student who draws a room is required to pay the full year's rent, whether he uses the room or not. No student will acquire by the assignment of a room to him any right to transfer that room to another, or to hold the room in his own name and allow another, except his room-mate, to occupy it; and no such transfer or holding will be permitted. When one of two room-mates retains a room in his name, and the other draws one in the allotment, the agreement for the room retained will be cancelled.

When the tenant permanently severs his connection with the University, or obtains a leave of absence, or is suspended for the whole of the year, he can, by notifying the Bursar, before September 1, cancel his room-agreement. When one of two room-mates cancels his room-agreement as above, the agreement of the other will be cancelled also. The other room-mate will be allowed, by at once signing a new room-agreement, to keep the room originally assigned to the two; but, if he does not at once re-engage it, the Bursar may assign it to other tenants.

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A descriptive list of rooms available for persons intending to enter College in the summer of 1879, and for graduates intending to pursue their studies at Cambridge, whose connection with the University has been severed, with price lists and blank forms of application, will be ready for delivery from the Bursar's office after April 25.

Upon request, the list and blanks will be mailed to any address. The blank application will contain a certificate to be signed, in the case of candidates for admission in 1879, by the instructor of the applicant, stating that the applicant intends to enter Harvard College in the summer of 1879, and specifying the examination (June or September) at which he will apply for admission. The application will also contain an agreement binding the applicant to take any room on his list which may be assigned to him in the allotment. No application will be considered in which all the blanks are not duly filled out. On May 10, the allotment will be made, and all applications must be filed at the Bursar's office before that date. Successful applicants will be notified as soon as possible of the result of the allotment, and a blank form of agreement and bond will be forwarded at the same time. In case of persons intending to enter College in June, the agreement binds the applicant to retain his room for one year, and pay the full rent in case he enters College; and, in case of failure to enter College, to forfeit one quarter's rent, if the Bursar is unable to assign the room to some member of the University, in accordance with the established rules. Applicants intending to enter College at the September examinations will be held responsible for the full year's rent of the room assigned, and will be required to give bonds therefor. This agreement and bond must be duly executed and filed at the Bursar's office before May 25, or the applicant's rights under the allotment will be lost. No transfer of rooms will be allowed.

After May 25, all rooms unengaged or given up will be disposed of by lot; a list of the rooms to be allotted having been posted conspicuously at least one day. Students going away for the vacation who desire to obtain college rooms are advised to file applications at the Bursar's office before leaving Cambridge.

Exchanges of rooms of about equal value will be permitted, when it is satisfactorily shown that such exchanges are not of the nature of a sale. Exchanges will not be valid, unless each party occupies the room standing in his name after the exchange. All exchanges must be made at the Bursar's office before the beginning of the academic year, as the full year's rent and all charges for gas and damages will be collected from those to whom the rooms stand charged on the Bursar's books at the beginning of the year.

Persons not connected with the University are not allowed to occupy rooms in the college buildings.

All persons who occupy college rooms are subject to the regulations of the Parietal Committee.

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PRICES OF COLLEGE ROOMS.

1879-80.

In each case the price is for the whole room from the beginning of the Academic Year until the next Commencement, and includes the daily care of the room. Rooms in Divinity Hall are rented to Divinity students for $5 less than the prices named below.

$25. College House, Nos. 13, 35.

$40. Divinity Hall, Nos. 6, 8, 10.

$44. Hollis and Stoughton, Nos. 1, 2, 3, 4, 18, 19, 20.

$45. College House, Nos. 57, 58; Divinity Hall, Nos. 4, 12.

$50. College House, Nos. 22, 44, 66; Divinity Hall, Nos. 2, 3, 11, 14.

$55. Divinity Hall, Nos. 1, 13.

$56. Hollis and Stoughton, Nos. 13, 14, 16.

$60. Hollis and Stoughton, Nos. 5, 6, 8, 9, 10, 12, 17, 22, 23, 24, 26, 27, 28; College House, Nos. 3, 4, 7, 8, 9, 10, 15, 16, 18, 19, 20, 25, 26, 27, 28, 30, 31, 32, 37, 38, 39, 40, 41, 42, 46, 48, 50, 52, 54, 60, 62, 64, 70; Divinity Hall, Nos. 20, 22, 24, 34, 38; Grays, Nos. 33, 35.

$65. Divinity Hall, Nos. 18, 19, 21, 23, 26, 28, 32, 33, 37, 40, 42; Hollis and Stoughton, Nos. 29, 32.

$70. College House, Nos. 11, 12, 33, 34, 47, 49, 51, 53, 59, 61, 63, 67, 68, 69; Divinity Hall, Nos. 17, 25, 31, 39.

$75. Hollis and Stoughton, Nos. 11, 15, 25, 30, 31; College House, Nos. 1, 2, 21, 23, 43, 45, 55, 65; Divinity Hall, Nos. 16, 27, 30, 41; Grays, Nos. 3, 13, 15, 17, 19, 34, 37, 49, 51; Weld, Nos. 25, 26, 52, 53.

$80. Divinity Hall, Nos. 15, 29; Holyoke, No. 39.

$100. Grays, Nos. 1, 7, 11, 14, 18, 21, 23, 25, 27, 29, 31, 36, 39, 41, 45; Weld, Nos. 24, 27, 51, 54; Matthews, Nos. 27, 28, 57, 58; Wadsworth House, Nos. 9 and 10, 11 and 12; College House, No. 29; Holyoke, Nos. 28, 45.

$125. Grays, Nos. 2, 9, 16, 22, 26, 30, 40, 47, 50, 52; Matthews, Nos. 25, 26, 29, 30, 55, 56, 59, 60; Holyoke, Nos. 1, 2, 6, 17.

$150. Grays, Nos. 4, 6, 8, 10, 12, 20, 28, 32, 38, 42, 44, 46, 48; Holyoke, Nos. 3, 11, 40, 44, 46; Thayer, Nos. 17, 18, 19, 20; Matthews, No. 6.

$175. Thayer, Nos. 23, 24, 30, 35, 36, 41, 42, 47, 48, 53, 59, 60, 65, 66; Weld, Nos. 3, 5, 8, 13, 14, 19, 20, 30, 32, 34, 35, 40, 41, 46, 47; Holyoke, Nos. 12, 29, 34.

$200. Thayer, Nos. 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 21, 22, 25, 26, 27, 28, 31, 32, 33, 34, 37, 38, 39, 40, 43, 44, 45, 46, 49, 50, 51, 52, 55, 56, 57, 58, 61, 62, 63, 64, 67, 68; Matthews, Nos. 3, 4, 10, 16, 22, 33, 34, 46, 52; Holyoke, Nos. 18, 22, 23, 37, 41, 42, 43, 47; Wadsworth House, Nos. 1 and 2, 3 and 4, 5 and 6, 7 and 8, 13.

$225. Weld, Nos. 4, 6, 9, 12, 15, 18, 21, 22, 28, 31, 33, 39, 42, 45, 48, 49, 50; Matthews, Nos. 5, 9, 15, 19, 20, 21, 39, 45, 49, 50, 51; Holyoke, Nos. 26, 30, 31, 32, 35, 36.

$250. Holworthy, Nos. 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24; Weld, Nos. 1, 2, 10, 11, 16, 17, 28, 29, 37, 38, 43, 44; Matthews, Nos. 1, 2, 8, 13, 14, 23, 24, 31, 32, 35, 36, 37, 38, 43, 44; Holyoke, Nos. 4, 9, 10, 13, 14, 15, 20, 21, 24, 25, 38.

$275. Matthews, Nos. 53, 54; Holyoke, Nos. 8, 19.

$300. Matthews, Nos. 11, 12, 17, 18, 41, 42, 47, 48; Holyoke, Nos. 5, 16, 27.

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THE DIVINITY SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
CHARLES C. EVERETT, D.D., *Dean, and Bussey Professor of Theology.*
——— ———, *Parkman Professor of Theology.*
EZRA ABBOT, D.D., LL.D., *Bussey Professor of New Testament Criticism and Interpretation.*
EDWARD J. YOUNG, A.M., *Hancock Professor of Hebrew, and Dexter Lecturer on Biblical Literature.*

OTHER INSTRUCTORS.

JOSEPH H. ALLEN, A.B., *Lecturer on Ecclesiastical History.*
HOWARD M. TICKNOR, A.B., *Instructor in Elocution.*

STUDENTS.

Senior Class.

Le Mahieu, Isaac, A.B. (*Milton Coll., Wis.*),	*Meadville, Pa.,*	7 Waterhouse St.
Robinson, Henry William,	*Cambridge,*	D. 30.
Weston, Samuel Burns, A.B. (*Antioch Coll.*),	*Dubuque, Iowa,*	D. 16.

Middle Class.

Bowser, Alexander Thomas, A.B.,	*Cambridge,*	C. 55.
Drake, Herbert Hamilton, A.B.,	*New York, N.Y.,*	D. 15.
Elder, Charles Brown, A.B. (*Brown Univ.*),	*New York, N.Y.,*	D. 29.
Headle, Edwin Charles,	*Mechanicsville, Vt.,*	14 Ware St.
Kennedy, William Sloane, A.B. (*Yale Coll.*),	*Oxford, Ohio,*	D. 34.
Nichols, William Ichabod, A.B.,	*Cambridge,*	G. 43.
Weeks, Alphonso Marston, A.B. (*Boston Univ.*),	*East Wolfboro', N.H.,*	D. 19.
Westall, Henry Addison,	*Ashville, N.C.,*	14 Ware St.

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Junior Class.

Benton, Edwin Austin, A.B. (*Yale Coll.*),	*Cambridge,*	21 Mellen St.
Chase, Joseph Aubrey, A.B. (*Bates Coll.*),	*Lewiston, Me.,*	14 Ware St.
Dutton, John Frederic, A.M. (*Univ. of Mich.*),	*Cambridge,*	D. 31.
Eliot, Christopher Rhodes, A.B. (*Washington Univ.*),	*St. Louis, Mo.,*	D. 25.
Judy, Arthur Markley, A.B. (*Antioch Coll.*),	*London, Ohio,*	D. 18.
Kimball, Edwin Fiske,	*East Somerville,*	D. 20.
Macdonald, Loren Benjamin,	*Cambridge,*	46 Williams St.
McGrew, Gifford Horace Greeley, A.B.,	*Cambridge,*	27 Mellen St.
Platner, Barnabas Ballou, A.B. (*Tufts Coll.*),	*Cherry Valley, N.Y.,*	D. 17.
Staples, Charles Jason, A.B. (*Brown Univ.*),	*Providence, R.I.,*	D. 89.
Walkley, Albert, A.B. (*Wesleyan Univ., Ill.*),	*Bloomington, Ill.,*	D. 83.

Special Student.

Hastings, John King,	*Boston,*	80 Mt. Auburn St.

TERMS OF ADMISSION.

Candidates for admission to the Divinity School are expected to present themselves on the first day of the academic year. If unknown to the Faculty, they are to produce testimonials of their moral and serious character.

All Bachelors of Arts will be admitted without examination. Other candidates for admission to the full course must have received a good English education, and must also pass an examination in some of the Latin classical authors, and in the Greek text of the Gospels.

Any person competent to pursue to advantage a partial course will be admitted, for a period of not less than one year, simply on producing satisfactory evidence of character and promise. He shall pursue such studies as he may elect; and may receive, on passing satisfactory examinations, a certificate stating the length of time he has studied in the School.

Candidates for admission to an advanced standing must be acquainted with the studies previously pursued by the class which they propose to enter.

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COURSE OF INSTRUCTION.

The course of instruction comprises Lectures, Recitations, written Essays, and other exercises, on all the subjects usually included in a system of Theological Education, embracing, —

The Hebrew Language;

The Principles of Criticism and Interpretation;

The Literature, Canon, and Exegesis of the Old and New Testaments;

Biblical Archæology and Geography;

Natural Religion and the Evidences of Revealed Religion;

The Philosophy of Religion;

Systematic Theology;

Philosophical and Christian Ethics;

The Ethnic Religions, and the Creeds of Christendom;

Ecclesiastical History, and the History of Christian Doctrine;

Church Polity and Administration;

The Composition and Delivery of Sermons; Liturgies and the offices of Public Worship; and the duties of the Pastoral Office.

In Elocution, Mr. Ticknor gives instruction every week.

Devotional services are held daily in the chapel of Divinity Hall; conference meetings are also regularly held; both of which are attended by the professors and students. All the members of the School have exercises in the practice of extemporaneous speaking, and the members of the Middle and Senior Classes preach in turn in the chapel.

The students have access to the Divinity Library, which consists of 17,000 volumes; and also to the College Library, which consists of 163,000.

The Full Course occupies three years; on completing which to the satisfaction of the Faculty, students are entitled to the degree of Bachelor of Divinity.

Students may remain, after completing their course, and continue their studies during a fourth year under direction of the Faculty.

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories, is also open, without additional charge, to students of the Divinity School. Those who wish to avail themselves of this privilege must procure from the Dean a certificate of membership in the School.

DEGREES.

The Degree of Bachelor of Divinity will be conferred by the University on those students who shall have pursued a course of Theological Study for at least one year in this School, and who shall pass the required examination. It will also be conferred on former graduates who shall

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show that they are qualified for it. Applicants for the degree must, four weeks before Commencement, present their names, with a Theological Thesis, to the Faculty, and must be prepared to be examined at such times as may be appointed by the several professors.

The examination will be both oral and written, —

In the Hebrew, Greek, Latin, and German languages, including translations from portions of the Pentateuch and Psalms, from the new Testament in Greek, from the Vulgate in Latin, and from some standard work of Theology in German;

In the Literature and Exegesis of the Old and New Testaments;

In the History of the Church antecedent to the Reformation;

In the History and Grounds of Opinion in Natural Theology and Christian Doctrine, and in the External and Internal Evidences of Christianity;

In the Philosophy of Religion;

In the History of Ethnic Religions;

In the History and Principles of Moral Science, and the Ethics of Christianity;

In Homiletics, Liturgies, Church Organization, and Government.

The degree of MASTER OF ARTS will be conferred upon persons who, being both Bachelors of Arts and Bachelors of Divinity, shall pursue at the University, for at least one year, an approved course of study in Divinity, and shall pass an examination upon that course. The degree of Bachelor of Divinity must have been given by this University; that of Bachelor of Arts, by this University, or by any institution having an equivalent course of study for the degree of Bachelor of Arts.

Applications for this degree should be addressed to Professor J. M. PEIRCE, Secretary of the Academic Council. For further information, see pages 180–185.

PECUNIARY AID.

Pecuniary aid is afforded from various sources.

The income of the Hopkins Fund is awarded by a Board of Trustees to six students, who most need aid, who must have received the degree of A.B. or A.M. and have given evidence of diligent and successful study. The shares will probably amount to at least three hundred and fifty dollars each.

The income of the Williams Fund is awarded by the Society for promoting Theological Education to students, recommended by the Faculty, who comply with the requisitions of that Society. According to the terms of this bequest, the income is to be given to "such indigent students of theology, resident in Cambridge, as shall be preparing themselves for the ministry, and shall be deemed most meritorious and worthy of assistance;" and "no student shall be debarred of this charity

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by reason of not having had a degree at a college, or being educated at any other college, or entertaining any peculiar modes of faith, it being always understood that he must be a Protestant." The annual income of the Williams Fund will allow about one hundred and fifty dollars to each beneficiary; but the sum will vary with the number of candidates.

There are also nine Scholarships established in the School, varying in their annual income from one hundred and twenty-five to two hundred and sixty dollars. They are assigned by the Corporation, on the recommendation of the Faculty, to those students who are deserving, and who need assistance.

These Scholarships are: —

The CHAPMAN SCHOLARSHIP, founded by the Rev. George Chapman, with an income of one hundred and forty dollars.

Two CARY SCHOLARSHIPS, founded by Thomas Cary, Esq., with an income of one hundred and seventy-five dollars each.

Three SCHOLARSHIPS ON THE JACKSON FOUNDATION, founded by Miss Sarah Jackson, with an income of two hundred and sixty dollars each.

The CLAPP SCHOLARSHIP, founded by Josiah Clapp, Esq., with an income of one hundred and twenty-five dollars.

The KENDALL SCHOLARSHIP, founded on the donation of Miss Nancy Kendall, with an income of one hundred and forty dollars.

The JONAS H. KENDALL SCHOLARSHIP, founded by Jonas H. Kendall, Esq., with an income of one hundred and forty dollars.

In some cases, beneficiary aid from more than one of the above sources may be given to a single student.

In special cases, some assistance from other sources may be obtained for students who give promise of usefulness; and all who are qualified to enter upon the regular course, and who faithfully pursue it, may be enabled to meet their necessary expenses.

Applications for scholarships and for pecuniary aid must be addressed, in writing, to the Dean, before December 1.

The Society for promoting Theological Education in Harvard University, by which the Divinity School was founded, declared in its constitution that the funds of the School should be appropriated "to assist young men of competent talents, pure morals, and piety, in preparing themselves for the Christian ministry;" and it prescribed that "every encouragement be given to the serious, impartial, and unbiassed investigation of Christian truth, and that no assent to the peculiarities of any denomination of Christians shall be required either of the Instructors or Students."

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BONDS AND EXPENSES.

Students are required to reside in or near Divinity Hall. Each student must give a bond in the sum of two hundred dollars, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of term-bills; or, in place of a bond, deposit with the Bursar a sum of money sufficient for the payment of all dues to the University. A copy of the class-books, with the exception of the Hebrew and Greek Scriptures, will be furnished on loan.

The chief items of expense for the year are: —

For rent and care of room	$60.00
For tuition	50.00
For board at $3.50 a week, 40 weeks	140.00
For fuel	25.00
	$275.00

To which are to be added the expenses of washing and gas.

The price of rooms in Divinity Hall varies, according to their situation and desirableness, from $40 to $75 per year.

Each room is supplied with a bedstead, mattress, bureau, and table. Stoves and other furniture must be provided by the occupant. Washing is done for seventy-five cents per dozen pieces.

Board may be had at a boarding-house connected with the School at $3.50 per week; or at Memorial Hall where board is furnished at cost, which will probably not exceed $4 per week.

Divinity School bills are payable in each year on January 12, April 5, and October 10; but the third bill of the *Senior Year* must be paid at least one day before Commencement. Each bill will contain one-third of the annual charges.

When a student severs his connection with the School, his whole bill becomes payable at once.

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THE LAW SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
CHRISTOPHER C. LANGDELL, LL.D., *Dean, and Dane Professor of Law.*
CHARLES S. BRADLEY, LL.D., *Bussey Professor of Law.*
JAMES B. THAYER, LL.B., *Royall Professor of Law.*
JOHN C. GRAY, A.M., *Story Professor of Law.*
JAMES B. AMES, A.M., *Professor of Law.*

JOHN HIMES ARNOLD, *Librarian.*

STUDENTS.

Resident Bachelors of Law.

NAME.	RESIDENCE.	ROOM.
Bailey, Hollis Russell, A.B., LL.B.,	*North Andover,*	C. 17.
Bicknell, Edward, A.B., LL.B.,	*Boston,*	48 Somerset St., Boston.
Harding, Emor Herbert, A.B., LL.B.,	*Boston,*	890 Main St.
Hoar, Rockwood, A.B., LL.B.,	*Worcester,*	H. 15.
Naphen, Henry Francis, LL.B.,	*South Boston,*	552 E. 7th St., So. Boston.
Ritchie, George, LL.B.,	*Halifax, N.S.,*	18 Remington St.
Ware, Charles Eliot, A.B., LL.B.,	*Fitchburg,*	H. 15.

Second Year's Students.

Andrews, Morton Davis,	*Boston,*	13 Bowdoin St.
Annan, William Howard, A.B.,	*Baltimore, Md.,*	D. 2.
Armstrong, Henry Eliot,	*New York, N.Y.,*	404 Harvard St.
Barnes, Charles Maynard, A.B.,	*Decatur, Ill.,*	H. 21.
Boit, John,	*Newport, R.I.,*	20 Prescott St.
Bouvé, Walter Lincoln,	*Boston,*	40 Newbury St., Boston.
Bradford, George Hilliard, A.B.,	*Roxbury,*	6 Park Sq., Boston.
Brown, John Fenner, S.B. (*Worcester Free Inst.*),	*Fitchburg,*	46 Mt. Auburn St.
Burr, Heman Merrick, A.B.,	*Newton,*	H'y 17.

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Butler, Sigourney, A.B.,	*Quincy*,	20 Dunster St.
Canfield, George Folger, A.B.,	*Cambridge*,	717 Cambridge St.
Cobb, Charles Kane, A.B.,	*Boston*,	94 Pinckney St., Boston.
Collins, Nicholas Battelle,	*Hopedale, O.*,	95 Mt. Auburn St.
Danforth, Henry Gold, A.B.,	*Rochester, N.Y.*,	8 Story St.
Davis, Simon, A.B.,	*Charlestown*,	Charlestown.
Eliot, Amory, A.B.,	*Chicopee*,	39 Brattle St.
Frothingham, Nathaniel Langdon, A.B.,	*Boston*,	G. 28.
Goodwin, James Wells, A.B.,	*Haverhill*,	67 Oxford St.
Grant, Robert, PH.D.,	*Boston*,	14 Commonwealth Ave., Boston.
Gray, Morris, A.B.,	*Boston*,	G. 8.
Hapgood, William Frank,	*Worcester*,	20 Prescott St.
Hills, Frank Prescott, A.B. (*Racine Coll.*),	*Waukegan, Ill.*,	14 Kirkland Pl.
Jones, John Richard,	*Olyphant, Pa.*,	6 Mt. Auburn St.
Kimball, Elbridge Gerry, A.B.,	*Salem*,	89 Brattle St.
King, Henry Wilson,	*North Brookfield*,	6 De Wolf St.
Lee, Elliot Cabot, A.B.,	*Boston*,	96 Beacon St.
Lowell, Abbott Lawrence, A.B.,	*Brookline*,	9 Linden St.
Lowell, Francis Cabot, A.B.,	*Cotuit Port*,	9 Linden St.
Lowell, John, A.B.,	*Chestnut Hill*,	156 Mt. Auburn St.
Lynde, Rollin Harper, A.B. (*Coll. of New Jersey*),	*New York, N.Y.*,	369 Harvard St.
Martin, Horace Hawes, A.B. (*Racine Coll.*),	*Warsaw, N.Y.*,	14 Kirkland Pl.
Marvel, David Thomas, A.B. (*Princeton Coll.*),	*Georgetown, Del.*,	156 Mt. Auburn St.
Matthews, Nathan, A.B.,	*Boston*,	H'ke 10.
Morse, Albert Gordon, A.B.,	*Boston*,	14 Kirkland Pl.
Nickerson, George Augustus, A.B.,	*Jamaica Plain*,	890 Main St.
Reed, George Hammon,	*Lexington*,	Lexington.
Sampson, Alden, A.M.,	*New York, N.Y.*,	Wadsworth House 1.
Sattler, Charles Augustus, A.B. (*Penn. Coll.*),	*Baltimore, Md.*,	727 Cambridge St.
Sprague, Edmund Burke, A.B.,	*Haverhill*,	S. 6.
Stevenson, Thomas Franklin, A.B. (*Georgetown Coll.*),	*Georgetown, Ky.*,	158 Mt. Auburn St.
Strobel, Edward Henry, A.B.,	*Charleston, S.C.*,	H. 27.
Strong, Homer Chester, A.M. (*Amherst Coll.*),	*Palmer*,	24 Mt. Auburn St.
Taussig, Charles Sumner,	*St. Louis, Mo.*,	9 Story St.
Tiffany, Francis Buchanan, A.B.,	*West Newton*,	M. 21.
Usher, Edward Preston, A.M.,	*Lynn*,	S. 21.

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Vandegrift, Lewis Cass, PH.B. (*Delaware Coll.*),	*McDonough, Del.*,	6 Mt. Auburn St.
Wambaugh, Eugene Miles, A.M.,	*Cambridge*,	T. 7.
Ware, John Allen,	*Longview, Texas*,	158 Mt. Auburn St.
Washburn, Alfred Foster, A.B.,	*Cambridge*,	28 Quincy St.
Weld, William Fletcher, A.B.,	*Nahant*,	Nahant.

First Year.

Adams, Francis Willis,	*Cambridge*,	727 Cambridge St.
Bancroft, William Amos, A.B.,	*Cambridge*,	T. 54.
Barrett, Harry Hudson, A.B.,	*Malden*,	Malden.
Blaine, Emmons, A.B.,	*Augusta, Me.*,	16 Quincy St.
Blodgett, Warren Kendall, A.B.,	*Boston*,	397 Beacon St., Boston.
Boutelle, George Keely, A.B.,	*Waterville, Me.*,	M. 60.
Bradish, Frank Eliot,	*Cambridge*,	5 Lee St.
Bradstreet, Albion Gilbert, A.M. (*Bowdoin Coll.*),	*Bridgeton, Me.*,	1 Revere St.
Brown, Arthur Henry, A.B.,	*Cambridge*,	C. 51.
Brown, George Willard, A.B.,	*Lowell*,	D. 21.
Bullard, Stephen, A.B.,	*Boston*,	52 Brattle St.
Chamberlayne, Charles Frederic, A.B.,	*Cambridge*,	29 Sacramento St.
Cheney, George Locke, A.B.,	*Essex, Conn.*,	H. 11.
Cole, Arthur Wells, A.B. (*Yale Coll.*),	*Westmoreland, N.H.*,	14 Ware St.
Curtis, Charles Minot, A.B. (*Delaware Coll.*),	*Newark, Del.*,	6 Mt. Auburn St.
De Yo, Burt Erastus, A.B. (*Oberlin Coll.*),	*Oberlin, O.*,	648 Cambridge St.
Duncan, John Foster, A.M. (*Univ. of Lewisburgh*),	*Lewisburgh, Pa.*,	63 Ellery St.
Elting, Irving, A.B.,	*Poughkeepsie, N.Y.*,	Felton Building 16.
Frayser, David Albert, A.B. (*Christian Bros. Coll.*),	*Memphis, Tenn.*,	156 Mt. Auburn St.
Galvin, John Edward,	*South Boston*,	116 Gold St., So. Boston.
Gardiner, Robert Hallowell, A.B.,	*Brookline*,	14 Appian Way.
George, John Paul, A.B. (*Dartmouth Coll.*),	*Concord, N.H.*,	14 Ware St.
Greene, Frederick Lewis, A.B.,	*Greenfield*,	6 De Wolf St.
Hardin, Charles Henry Edwin, A.M. (*Pacific Methodist Coll.*),	*Santa Rosa, Cal.*,	15 Mt. Auburn St.
Haskell, John De Forest, A.B. (*Dartmouth Coll.*),	*Ascutneyville, Vt.*,	60 Mt. Auburn St.
Heminway, Truman, A.B.,	*New Rochelle, N.Y.*,	48 Brattle St.

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Hoar, David Blakely, A.B.,	*Brookline,*	18 Kirkland Pl.
Kittredge, Samuel Dana, A.B.,	*Peekskill, N.Y.,*	25 Holyoke St.
Kurino, Sinichiro,	*Fukuoka, Japan,*	65 Oxford St.
Lawrence, Rosewell Bigelow, A.B.,	*Medford,*	Felton Building 28.
Loomis, Henry Bradford, A.B. (*Yale Coll.*),	*Boston,*	10 Frisbie Pl.
Loring, Augustus Peabody, A.B.,	*Beverly Farms,*	10 Appian Way.
Mason, Harry White, A.B.,	*Newton Centre,*	M. 60.
Morrison, William Herbert, A.B. (*Brown Univ.*),	*Philadelphia, Pa.,*	28 Trowbridge St.
Needles, William Norwood,	*West Chester, Pa.,*	18 Mt. Auburn St.
Parker, James, A.B.,	*Boston,*	175 Beacon St.
Perry, William, A.B. (*Bowd. Coll.*),	*Salem,*	W. 14.
Pickering, John, A.B.,	*Salem,*	12 Story St.
Randolph, Carman Fitz,	*Morristown, N.J.,*	19 Hilliard St.
Redding, Joseph Deighn,	*San Francisco, Cal.,*	7 Hawthorne St.
Reed, Edward Prescott, A.B.,	*Stow,*	C. 52.
Revere, Paul,	*Morristown, N.J.,*	19 Hilliard St.
Rivers, George Robert Russell, A.B.,	*Milton,*	80 Mt. Auburn St.
Rusk, Frank Thomas, A.B.,	*St. Joseph, Mo.,*	10 Oxford St.
Scarborough, Robert Goodhue, A.B. (*Amherst Coll.*),	*Cincinnati, O.,*	100 Mt. Auburn St.
Sheffield, William Paine, A.B. (*Brown Univ.*),	*Newport, R.I.,*	6 Plympton St.
Smith, Frank Edwin, B.S. (*Ill. Coll.*),	*Seneca, Kan.,*	125 Prospect St.
Sneathen, Frank Fay, C.E. (*Penn. Military Acad.*),	*Pittsburgh, Pa.,*	718 Cambridge St.
Snow, David William, A.B. (*Bowd. Coll.*),	*Portland, Me.,*	127 Mt. Auburn St.
Stanton, Benjamin Irving, A.B. (*Union Coll.*),	*Albany, N.Y.,*	10 Frisbie Pl.
Starr, Merritt, A.M. (*Oberlin Coll.*),	*Chicago, Ill.,*	862 Main St.
Stewart, William Galbraith, A.B. (*Wash. and Jeff. Coll.*),	*Washington, Pa.,*	718 Cambridge St.
Stiles, Sumner Burritt, A.B.,	*Middleton,*	18 Mt. Auburn St.
Sullivan, Richard, A.B. (*Boston Coll.*),	*Boston,*	C. 27.
Sullivan, William, A.B.,	*Salem,*	C. 4.
Teschemacher, Hubert Engelbert, A.B.,	*San Francisco, Cal.,*	16 Quincy St.
Tyler, John Ford, A.B.,	*Cambridge,*	13 Shepard St.

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Wellman, Arthur Holbrook, A.B. (*Amherst Coll.*),	*Malden,*	20 Holyoke St.
Wheeler, Harold, A.B.,	*San Francisco, Cal.,*	M. 21.
White, Alden Perley, A.B. (*Amherst Coll.*),	*Danvers,*	14 Concord Ave.
Williams, Charles Kilborn, A.B.,	*Castleton, Vt.,*	G. 41.
Woodman, Edward, A.B.,	*Cambridge,*	C. 35.

SPECIAL STUDENTS.

Allin, Horatio Nelson, A.B. (*Dartmouth Coll.*),	*Weston.*	
Barry, Thomas Jackson,	*Boston,*	65 Mt. Auburn St.
Bannard, Arthur Umney, A.B. (*Yale Coll.*),	*Salem, N.J.,*	Brookline.
Brooks, Charles Edward,	*Burlington, Iowa,*	10 Frisbie Pl.
Brown, Clarence Shepard, A.B. (*Univ. of Mich.*),	*Milwaukee, Wis.,*	717 Cambridge St.
Champlin, Edgar Robert,	*Lancaster, N.H.,*	T. 47.
Cohen, Alfred Henry,	*Alameda, Cal.,*	W. 2.
Colwell, Michael Bernard,	*Brighton,*	Chestnut Hill Ave.
Cummings, Samuel Wells,	*Boston,*	80 Mt. Auburn St.
Davis, Nathaniel Henchman,	*Cincinnati, O.,*	M. 36.
Delger, Edward Frederick,	*Oakland, Cal.,*	387 Harvard St.
Dodge, George,	*Newport, N.H.,*	125 Mt. Auburn St.
Downing, Francis Henry,	*Boston,*	658 East Sixth St.
Hackett, Wallace,	*Portsmouth, N.H.,*	410 Harvard St.
Hawley, Thomas Canfield,	*Stafford Springs, Conn.,*	86 North Ave.
Hazen, William,	*St. John, N.B.,*	28 Dunster St.
Heald, Charles Prescott,	*Canton, Ill.,*	648 Cambridge St.
Hill, Philip Carteret,	*Halifax, N.S.,*	11 Remington St.
Hooper, Arthur Wilson,	*Boston,*	264 Beacon St., Boston.
Hooper, Sewall Henry, A.B.,	*Boston,*	7 Marlboro' St., Boston.
Hutchinson, Robert C.,	*Yardville, N.J.,*	10 Frisbie Pl.
Lawrence, William Paige,	*Boston,*	42 Brattle St.
Leavitt, Willis Herbert,	*Portland, Me.,*	55 North Ave.
Lee, Richard Cloyd,	*West Chester, Pa.,*	13 Mt. Auburn St.
McAllister, Ward, LL.B. (*Albany Law School*),	*New York, N.Y.,*	10 Frisbie Pl.
McCutcheon, John Lindsay,	*Allegheny City, Pa.,*	16 Ash St.
Marshall, Thomas Mercer,	*Pittsburgh, Pa.,*	852 Main St.
Minot, Joseph Grafton,	*Boston,*	Berkeley St., Boston.
Morse, Howard Leavitt,	*Boston,*	1234 Washington St., Boston.

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Nakayama, Kanrokuro,	*Tokio, Japan,*	5 Linden St.
Nesmith, James Ernest,	*Lowell,*	Little's Block 15.
Peabody, Francis, LL.B (*Cambridge Univ., Eng.*),	*Danvers,*	9 Linden St.
Ryther, George Holton,	*West Northfield,*	63 Hancock St.
Shannon, James Noble,	*Halifax, N.S.,*	13 Remington St.
Sneathen, Frank Fay, C.E. (*Penn. Military Academy*),	*Pittsburgh, Pa.,*	718 Cambridge St.
Sohier, William Davies,	*Boston,*	5 Park Sq., Boston.
Stearns, John Milton, LL.B. (*Boston Univ.*),	*Boston,*	42 Bowdoin St.
Swain, William Newman, LL.B. (*Boston Univ.*),	*Roxbury,*	7 Felton St.
Walker, Nathaniel Upham, A.B. (*Yale Coll.*),	*Concord, N.H.,*	14 Ware St.
Weld, William Fletcher, A.B.,	*Nahant,*	Nahant.
Wetherbee, John Elliott, A.B., LL.B. (*Boston Univ.*),	*Boston,*	H'ke 28.
Worcester, Theodore,	*Sullivan, Me.,*	18 Bulfinch St.

Summary.

Resident Bachelors of Law	7
Second-Year's Students	49
First-Year's Students	62
Special Students	42
Total	**160**

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THE LAW SCHOOL.

COURSE OF INSTRUCTION.

The design of this School is to afford such a training in the fundamental principles of English and American Law as will constitute the best preparation for the practice of the profession in any place where that system of law prevails. With this view, the course of study, which is designed to occupy the student three full years, will comprise the following subjects: —

I. ORDINARY COURSE.

FIRST YEAR.

Real Property. PROF. GRAY. *Two hours a week.*

Contracts. PROF. LANGDELL. *Three hours a week.*

Torts. PROF. AMES. *Three hours a week.*

Criminal Law and Criminal Procedure. PROF. THAYER. *One hour a week.*

Civil Procedure at Common Law. PROF. AMES. *One hour a week.*

SECOND YEAR.

ELECTIVE SUBJECTS.

Evidence. PROF. THAYER. *Two hours a week.*

Jurisdiction and Procedure in Equity. PROF. AMES. *Two hours a week.*

Property. PROF. GRAY. *Two hours a week.*

Trusts, Mortgages, and other Titles in Equity. PROF. BRADLEY. *Two hours a week.*

Sales of Personal Property. PROF. THAYER. *Two hours a week.*

Bills of Exchange and Promissory Notes. PROF. LANGDELL. *Two hours a week.*

THIRD YEAR.

ELECTIVE SUBJECTS.

Jurisdiction and Procedure in Equity. PROF. LANGDELL. *One hour a week.*

Corporations and Partnership. PROF. BRADLEY. *One hour a week.*

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Constitutional Law and Conflict of Laws. PROF. BRADLEY. *One hour a week.*

Agency and Carriers. PROF. THAYER. *One hour a week.*

Jurisprudence. PROF. GRAY. *One hour a week.*

Wills and Administration. PROF. GRAY. *One hour a week.*

The two second-year subjects not taken in that year. *Four hours a week.*

Every candidate for the ordinary degree will be required to take in the second year at least eight hours a week, and in the third year at least six hours a week.

II. HONOR COURSE.

FIRST YEAR.

Real Property. PROF. GRAY. *Two hours a week.*

Contracts. PROF. LANGDELL. *Three hours a week.*

Torts. PROF. AMES. *Three hours a week.*

Criminal Law and Criminal Procedure. PROF. THAYER. *One hour a week.*

Civil Procedure at Common Law. PROF. AMES. *One hour a week.*

SECOND YEAR.

Evidence. PROF. THAYER. *Two hours a week.*

Jurisdiction and Procedure in Equity. PROF. AMES. *Two hours a week.*

Property. PROF. GRAY. *Two hours a week.*

Trusts, Mortgages, and other Titles in Equity. PROF. BRADLEY. *Two hours a week.*

THIRD YEAR.

REQUIRED SUBJECTS.

Jurisdiction and Procedure in Equity. PROF. LANGDELL. *One hour a week.*

Corporations and Partnership. PROF. BRADLEY. *One hour a week.*

ELECTIVE SUBJECTS.

Sales of Personal Property. PROF. THAYER. *Two hours a week.*

Bills of Exchange and Promissory Notes. PROF. LANGDELL. *Two hours a week.*

Constitutional Law and Conflict of Laws. PROF. BRADLEY. *One hour a week.*

Agency and Carriers. PROF. THAYER. *One hour a week.*

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Jurisprudence. PROF. GRAY. *One hour a week.*
Wills and Administration. PROF. GRAY. *One hour a week.*

Every candidate for the honor degree will be required to take in the third year at least six hours a week in the elective subjects, in addition to the two required subjects.

ADMISSIONS, EXAMINATIONS, AND DEGREES.

Graduates of colleges will be admitted as candidates for a degree, without examination, upon producing their diplomas: candidates for a degree who are not graduates of colleges will be admitted only upon passing a satisfactory examination in the following subjects: —

1. LATIN. Candidates will be required to translate (without the aid of grammar or dictionary) passages selected from one or more of the following books: Cæsar's Commentaries, Cicero's Select Orations, and the Æneid of Virgil.

2. BLACKSTONE'S COMMENTARIES (exclusive of editors' notes).

Proficiency in French, representing an amount of preparatory work equivalent to that demanded of those who offer Latin, will be accepted as a substitute for the requisition in the latter language. Candidates will be required to translate (without the aid of grammar or dictionary) passages from standard French prose authors, and also to render passages of easy English prose into French.

The Faculty will, at their discretion, permit some other language to be substituted for Latin or French; but a satisfactory examination in some language other than English will be required in all cases. The examinations will be in writing; and, in judging the work of the candidates, attention will be paid to spelling, punctuation, grammar, and expression.

Two examinations for admission will be held each year: one at the beginning of the summer vacation; the other at the beginning of the academic year in the autumn.

In 1879, the first examination will be held on Thursday, June 26, at Cambridge and at Cincinnati, Ohio; and the second, on Thursday, Sept. 25, at Cambridge only. For each examination, candidates will assemble at 9 A.M., — in Cambridge, in Dane Hall; in Cincinnati, in some place to be announced in the daily papers of that city. Candidates who are allowed to substitute some other language for Latin or French will be examined in such language at the second examination only. *No person will be examined at any other time or place than those above specified.*

Applicants will be required, before examination, to produce certificates of good moral character.

The Faculty will accept the degree of Bachelor of Science, or other

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degree of similar import, instead of the degree of Bachelor of Arts, when satisfied that it represents an amount of linguistic training equal to that required of those who offer themselves for examination.

Admission to advanced standing will be allowed only upon an examination, which will be held at the beginning of the academic year, and will require of the candidates a thorough knowledge of the following books: —

Williams on Real Property; Washburn on Real Property (Book I., Chapters 1 to 5 inclusive, 10 to 12 inclusive, and chapter 14; also Book II., Chapters 1 and 2); Langdell's Cases on Contracts; Ames's Cases on Torts, Parts I.–II.;* Blackstone's Commentaries, Book IV.; Greenleaf on Evidence, Part V.; Ames's Cases on Pleading.* The examination is by printed questions, which the candidates answer in writing in the presence of the examiner.

Candidates for advanced standing will also be required to pass the examination for admission as above set forth, unless they have received a degree which entitles them to admission without examination.

The examination for admission to advanced standing in the year 1879 will be held at Dane Hall, on Thursday and Friday, September 25 and 26, beginning at 9 A.M. on Thursday. No applicant will be examined at any other time.

Persons who are not candidates for a degree may, upon producing certificates of good moral character, enter the School as special students at any time without examination, and avail themselves of its advantages in whatever manner and to whatever extent they see fit.

All persons who, while members of the School, shall pass a satisfactory examination in one or more subjects, will be entitled to a certificate, stating the length of time they have been members of the School and specifying the subjects in which they have passed such examination.

The degree of Bachelor of Laws will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire ordinary course of three years. The degree of Bachelor of Laws *cum laude* will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire honor course of three years. The examinations in the studies of the second and third years must be passed at the end of each year respectively. In the studies of the first year, the examinations must be passed either at the end of that year or at the examination for advanced standing in September following. In order to obtain the honor degree, the candidate must pass the examinations in the studies of the second and third years without any conditions, and must obtain a general average of not less than seventy-five per cent of the maximum mark in each of those years. Those who

* To be obtained at the University Bookstore, Cambridge, Mass.

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try for the honor degree and fail will receive the ordinary degree, provided their examinations come up to the standard required for that degree. Neither degree will be conferred until the candidate shall have attained the age of twenty-one years. Those who cannot remain more than two years are advised to enter at the beginning of the course and remain during the first and second years, and be absent during the third year, returning for the final examinations in June of their third year.

FEES AND EXPENSES.

The fee for the first and second years that a student is a member of the School is $150 a year; for any subsequent year, *until the academic year* 1879–80, $50. The fee for a special examination for the degree of Master of Arts is $30.

There are no *extra* charges in the School.

The other expenses of a student for an academic year may be estimated as follows: —

Rent and care of a furnished room . . .	$75 to $150
Board for thirty-eight weeks	152 to 304
Fuel and Lights	20 to 25
Text Books	20 to 25
	$267 to $504

Students who are willing to go a mile from the School can get cheaper rooms. Board at cost can be obtained by members of the Law School at Memorial Hall. It is expected that the cost per week will not exceed four dollars. Applications for seats should be made at the Hall to the Auditor, from whom full information can be obtained.

Law School bills are payable in each year on January 12, April 5, and October 10. Each bill will contain one third of the annual charges. All candidates for degrees must pay the third bill at least one week before Commencement; and when a student severs his connection with the School his whole bill becomes payable at once.

Deductions from the full year's tuition-fee will be made as follows: —

If a student joins or leaves the School between January 1st and April 1st, one third will be deducted.

If a student joins the School between April 1st and Commencement, or leaves the School before January 1st, two thirds will be deducted.

No deduction will be made in case of a student leaving the School, unless he gives immediate notice thereof, in writing, to the Dean.

Every student must file a bond with the Bursar in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of dues to the University; or, instead of filing a bond, he may pay his tuition-fee for the year in advance, and deposit $50

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with the Bursar upon his entrance, and at the beginning of each subsequent academic year, to be retained until the end of the academic year, and then to be accounted for. No officer or student of the University will be accepted as bondsman. Law Students who live in college rooms or board at Memorial Hall must file the same bond as undergraduates ($400), or pay rent for the year in advance, and deposit $200 with the Bursar as security for the payment of their board. All persons living in college rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates.

SCHOLARSHIPS.

Four Bussey Scholarships and four University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Law School. They are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year. The award is made by the Corporation on the recommendation of the Faculty. One third of the annual value of the Scholarships is paid on the tenth of October following the award, one third on the twelfth of January, and one third on the fifth of April. Applications for these Scholarships must be made in writing to the Dean by the first of June.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories, is also open, without additional charge, to students of the Law School. Among the numerous courses of instruction in Harvard College (more than one hundred in all), those upon Roman Law, Political Economy, and History, are particularly suitable for Law Students; but many other courses, as those upon English Literature, Modern Languages, Philosophy, and Physical Science, may be useful to students whose previous opportunities have been limited. Those who wish to avail themselves of these privileges must procure from the Dean a certificate of membership of the School.

For further information and for examination papers, address John H. Arnold, *Librarian of the Law School*, Cambridge, Mass.

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THE LAWRENCE SCIENTIFIC SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
HENRY L. EUSTIS, A.M., *Dean, and Professor of Engineering.*
BENJAMIN PEIRCE, LL.D., *Professor of Mathematics.*
ASA GRAY, LL.D., *Professor of Natural History.*
WOLCOTT GIBBS, LL.D., *Professor of Physics.*
——— ———, *Professor of Astronomy.*
CHARLES E. HAMLIN, A.M., *Instructor in Geography and Geology.*
JOSIAH P. COOKE, A.M., *Professor of Chemistry and Mineralogy.*
JOHN McCRADY, A.B., *Professor of Zoölogy.*
ADRIEN JACQUINOT, A.B., *Assistant Professor of French.*
JAMES M. PEIRCE, A.M., *Professor of Mathematics.*
——— ———, *Professor of Topographical Engineering.*
GEORGE L. GOODALE, M.D., *Professor of Botany.*
NATHANIEL S. SHALER, S.D , *Professor of Palæontology.*
EDWARD C. PICKERING, S.B., *Professor of Astronomy.*
JOHN TROWBRIDGE, S.D., *Assistant Professor of Physics.*
C. LORING JACKSON, A.M., *Assistant Professor of Chemistry.*
HENRY B. HILL, A.M., *Assistant Professor of Chemistry.*
CHARLES H. MOORE, *Instructor in Free-hand Drawing.*
WALTER FAXON, A.B., S.D., *Instructor in Zoölogy.*
HENRY NATHAN WHEELER, A.M., *Instructor in Mathematics.*
FRANCIS W. DEAN, S.B., *Tutor in Surveying and Drawing.*

WILLIAM M. DAVIS, S.B., M.E., *Instructor in Geology.*
EDWARD L. MARK, Ph.D., *Instructor in Zoölogy.*
ALFRED W. FIELD, A.B., *Assistant in Chemistry.*
HARRY B. HODGES, *Instructor in German and Chemistry.*
NATHANIEL D. C. HODGES, A.B., *Assistant in Physics.*
WILLIAM H. MELVILLE, A.M., *Assistant in Mineralogy.*
CHARLES F. MABERY, S.B., *Assistant in Chemistry.*
ROBERT W. GREENLEAF, A.B., *Assistant in Botany.*

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STUDENTS.

NOTE. — *The Roman numerals indicate courses as follows:* I., *Civil and Topographical Engineering;* II., *Mining Engineering;* III., *Chemistry;* IV., *Natural History;* V., *Mathematics, Physics, and Astronomy.*

Fourth Year.

NAME.	COURSE.	RESIDENCE.	ROOM.
Christie, Alexander Smythe,	V.	*Rapidan, Minn.,*	G. 33.
Ziegler, Charles Calvin,	IV.	*Cambridge,*	862 Main St.

Third Year.

Burr, Charles Henry,	IV.	*Cambridge,*	290 Harvard St.
Cobb, Henry Ives,	I.	*Boston,*	G. 40.
Cutler, Joseph Gore,	I.	*Cambridge,*	723 Cambridge St.
Heard, John,	I.	*Boston,*	S. 17.
Plummer, Leander Allen,	I.	*New Bedford,*	Little's Block 26.

Second Year.

Batchelder, Charles Foster, A.B.	I.	*Cambridge,*	7 Kirkland St.
Elliott, Howard,	I.	*Cambridge,*	15 Appian Way.
Swift, Robert,	IV.	*Roxbury,*	D. 40.

First Year.

Bates, Henry,	I.	*Indianapolis, Ind.,*	M. 48.
Metcalf, Charles Hunt,	V.	*Worcester,*	D. 26.
Williston, James Richards,	I.	*Cambridge,*	15 Berkeley St.

Special Students.

Barrows, Ransom Moore,	IV.	*Olivet, Mich.,*	D. 6.
Betton, Charles Grinnell,		*Newport, R.I.,*	Kirkland St.
Diller, Joseph Silas,		*Fairbury, Neb.,*	15 Sumner St.
Livermore, Charles Waterman,		*Cambridge,*	24 North Ave.

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THE SCIENTIFIC SCHOOL.

COURSES OF INSTRUCTION.

This School offers the following complete courses of instruction in the various departments of Science: —

First, the courses designed to meet the needs of the graduates of High Schools and Academies who desire a practical education in Civil and Topographical Engineering, in Mining Engineering, in Chemistry, in Natural History, or in Mathematics, Physics, and Astronomy. Graduates of Colleges should be able to enter these courses one or two years in advance. Secondly, the Teachers' courses, intended especially for those who have been or who are preparing to be teachers, and designed to qualify such persons in the modern methods of teaching science by observation and experiment. Thirdly, the higher instruction in science designed for candidates for the degree of Doctor of Science, and other advanced students.

In these courses a lecture is counted as an hour of laboratory work. A recitation for which a lesson is prepared counts for three hours' laboratory work. From each student at least forty-five hours' work is expected each week.

I. COURSE OF FOUR YEARS IN CIVIL AND TOPOGRAPHICAL ENGINEERING.

First Year.

Spherical Trigonometry and Analytic Geometry. Wheeler's and Howison's, with additional examples. Five times a week. Mr. Wheeler.

Descriptive Geometry and Perspective. Church's. Three times a week. Prof. Eustis.

Elementary Physics. One lecture a week. Prof. Lovering.

Elementary Chemistry. Twenty lectures. Once a week. Prof. Cooke.

Free-hand and Water-color Drawing. Four hours a week. Mr. Moore.

Surveying, Plotting, and Topographical Drawing. Gillespie's treatise, with field and laboratory practice. Seven hours a week. Mr. Dean.

Mechanical Drawing. Six hours a week. Mr. Dean.

French. Fénelon's Fables; Voltaire (Histoire de Charles XII.); Modern Novels; Brachet's Grammar. Three times a week. Asst. Prof. Jacquinot.

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SECOND YEAR.

Differential and Integral Calculus. Church's, with numerous additional examples. Five times a week. PROF. EUSTIS.

Elementary Physics. One lecture a week. PROF. LOVERING.

Elementary Chemistry. Two lectures, one recitation, and three hours' laboratory practice a week. ASST. PROF. JACKSON.

French. Modern French Stories and Plays. Twice a week. ASST. PROF. JACQUINOT.

German. Whitney's Grammar; German Stories. Three times a week. MESSRS. SHELDON and LUTZ.

Mechanical Drawing. Six hours a week. MR. DEAN.

Levelling, Topographical Drawing, and Henck's Field-book. Six hours a week. MR. DEAN.

THIRD YEAR.

Mechanics. Weisbach's Mechanics; Wood's Bridges and Roofs. Five times a week. PROF. EUSTIS.

Experimental Physics. Three times a week. ASST. PROF. TROWBRIDGE.

Determinative Mineralogy and Lithology (with study in the Mineral Cabinet). Three times a week. MR. MELVILLE.

Physical Geography, Meteorology, and Structural Geology. Twice a week. MR. DAVIS.

German Prose. Scientific Authors. Twice a week. MR. HODGES.

Mechanical Drawing. Four hours a week. MR. DEAN.

FOURTH YEAR.

Applied Mechanics and Constructive Engineering. Building Materials, and their applications in Railroads, Canals, Bridges, &c. Graphical Statics. Hydraulics. Discussions of existing structures and working out of projects. Rankine's Applied Mechanics and Rankine's Civil Engineering. Five times a week. PROF. EUSTIS.

Applications of Descriptive Geometry to Masonry and Stone-Cutting. Lectures and Drawing. PROF. EUSTIS.

Heat and its Applications. Lectures and recitations. Three times a week. PROF. GIBBS.

Economic Geology. Twice a week. PROF. WHITNEY.

Practical Astronomy and Geodesy (at the Observatory). Three times a week.

Preparation of Thesis.

REMARKS.

In the department of Surveying, instruction is given from a text-book and from notes by the instructor. Instruction is given in the field during one year, at least three times a week, in lessons of two and three hours each, in which examples of

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the various methods of surveying and taking notes are practised. Students are required to work up their surveys and make plots of their work. They are required to learn to use all kinds of instruments now used by engineers, and to understand the principles of their construction and adjustment.

In the department of Topographical Engineering, students are required to use the level and take notes, to make profiles, to calculate excavation and embankment, to level for contour lines and make the necessary calculations, and to plot the lines. They are required to make a map representing mountainous country (by "hatchings"), with rivers and shore line.

Instruction is given in deducing formulae for railroad curves, both circular and parabolic. Examples for calculation are given, and actual curves are laid out in the field.

In the department of Mechanical Drawing, each student is required to hand in one neatly finished example of each of the following drawings: viz., one plan, elevation, and section, with dimensions, shaded with lines; one example of isometric drawing, with shades and shadows, shaded with a brush and colored; one example of perspective drawing, with shades and shadows, shaded with a brush and colored. These drawings are to be of considerable difficulty and embrace the use of conventional colors, and, with those previously mentioned, form specimens of each kind of drawing. While these are required, others are recommended and expected.

Students who complete this course, pass the required examinations, and present a thesis, receive the degree of Civil Engineer, and are prepared to enter on the practice of their profession.

II. COURSE IN MINING ENGINEERING.

The full course prescribed for candidates for the degree of Mining Engineer occupies four years, the first three of which are identical, as regards the subjects of instruction and the order thereof, with the first three years of the Civil Engineering course. The subjects of instruction during the fourth year of the course are as follows: Geology; Economic Geology and the Phenomena of Veins; Mining Machinery and the Exploitation of Mines; General and Practical Metallurgy; Assaying; Working up, Plotting, and Writing out notes of summer excursions.

From time to time opportunities will be offered to the students, by excursions with the Professors, of becoming practically acquainted with astronomical and geodetic work, as also with the method of making geological surveys, and with mining and metallurgic operations.

III. COURSE OF FOUR YEARS IN CHEMISTRY

First Year.

Descriptive Chemistry with Laboratory Practice. Two lectures, one recitation, and three hours' laboratory practice a week. Asst. Prof. Jackson.

Descriptive Geometry and Perspective. Church's. Three times a week. Prof. Eustis.

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Mechanical Drawing. Three hours a week. MR. DEAN.

Elementary Physics. One lecture a week. PROF. LOVERING.

French. Fénelon's Fables; Voltaire (Histoire de Charles XII.); Modern Novels; Brachet's Grammar. Three times a week. ASST. PROF. JACQUINOT.

German. Whitney's Grammar; German Stories. Three times a week. MESSRS. SHELDON and LUTZ.

SECOND YEAR.

Qualitative Analysis and Chemical Philosophy (with laboratory work). Nine hours a week. ASST. PROF. HILL.

Technological Chemistry. Three times a week. Recitations and excursions to chemical works. MR. HODGES.

Physics. One lecture a week. PROF. LOVERING.

Astronomy, Optics, and Acoustics. Twice a week. PROF. LOVERING.

Determinative Mineralogy and Lithology (with study in the Mineral Cabinet). Three times a week. MR. MELVILLE.

German Prose. Scientific Authors. Twice a week. MR. HODGES.

THIRD YEAR.

Quantitative Analysis. Laboratory work. Eighteen hours a week. PROF. COOKE and MR. HODGES.

Experimental Physics. Three times a week. ASST. PROF. TROWBRIDGE.

Physical Geography, Meteorology, and Structural Geology. Twice a week. MR. DAVIS.

Chemical Physics, including determination of Specific Gravity of Vapors and Gas Analysis. Nine hours a week.

Elementary Botany. Twice a week. PROF. GOODALE.

FOURTH YEAR.

Organic Chemistry, including Preparation of Chemical Products. Lectures and laboratory work. Three times a week. ASST. PROF. HILL.

Economic Geology. Twice a week. PROF. WHITNEY.

Photography; Practical Instruction.

Laboratory Work. Eighteen hours a week in preparation of thesis.

This course is intended for students preparing to become practical chemists or teachers of the science.

Students who complete this course, pass the required examinations, and present a thesis, receive the degree of Bachelor of Science.

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IV. COURSE OF FOUR YEARS IN NATURAL HISTORY.

First Year.

Required.

Descriptive Chemistry (*with laboratory work*). Three times a week. Asst. Prof. Jackson.

Physics. One lecture a week. Prof. Lovering.

Determinative Mineralogy and Lithology (*with study in the Mineral Cabinet*). Three times a week. Mr. Melville.

Elementary Botany. Twice a week. Prof. Goodale.

French. Fénelon's Fables; Voltaire (Histoire de Charles XII.); Modern Novels; Brachet's Grammar. Three times a week. Asst. Prof. Jacquinot.

German. Whitney's Grammar; German Stories. Three times a week. Messrs. Sheldon and Lutz.

Mechanical Drawing. Three hours a week. Mr. Dean.

Second Year.

Required.

Physical Geography, Meteorology, and Structural Geology. Twice a week. Mr. Davis.

Physics. One lecture a week. Prof. Lovering.

Experimental Physics. Three times a week. Asst. Prof. Trowbridge.

Comparative Anatomy and Physiology of Vertebrates. Three times a week. Asst. Prof. James.

German Prose. Scientific Authors. Twice a week. Mr. Hodges.

Exercises in French Syntax and Composition. Modern French Stories and Plays. Twice a week. Asst. Prof. Jacquinot.

Elective.

(One of the following subjects must be taken.)

Advanced Botany. Three times a week. Prof. Goodale.

Qualitative Analysis and Chemical Philosophy (*with laboratory work*). Nine hours a week. Asst. Prof. Hill.

Geology. Three times a week. Lectures, with laboratory and field-work. Prof. Shaler.

Physiological Psychology. Three times a week. Asst. Prof. James.

Third Year.

Systematic Botany. Three times a week. Prof. Goodale.

Zoölogy (*General Morphology: Protozoa, Radiata, Articulata*). Lectures and laboratory work. Three times a week. Dr. Mark.

Palæontology. Lectures and laboratory work. Three times a week. Prof. Shaler.

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Economic Geology. Twice a week. PROF. WHITNEY.

Quantitative Analysis (in the Laboratory). Three times a week. PROF. COOKE and MR. HODGES.

Practical Applications of Trigonometry. Principles of Surveying. Twice a week. ASST. PROF. C. J. WHITE.

FOURTH YEAR.

Elective.

(Each student must elect forty-five hours of laboratory work, or its equivalent.)

Agricultural Chemistry. Three times a week at the Bussey Institution. PROF. STORER.

Vegetable Physiology. Experimental. Three times a week. PROF. GOODALE.

Cryptogamic Botany. Three times a week. ASST. PROF. FARLOW.

Zoölogy (General Morphology: Mollusca, Vertebrata). Lectures and laboratory work. Three times a week. DR. FAXON.

Historical Geology. Three times a week. PROF. SHALER.

One half of the time during the fourth year is to be given to the preparation of a thesis based on original work in one of the departments of Natural History.

Students who complete this course, pass the required examinations, and present a thesis, receive the degree of Bachelor of Science.

V. COURSE OF FOUR YEARS IN MATHEMATICS, PHYSICS, AND ASTRONOMY.

FIRST YEAR.

Practical Applications of Trigonometry. Principles of Surveying. Spherical Trigonometry. Applications of Spherical Trigonometry to Astronomy and Navigation. Twice a week. ASST. PROF. C. J. WHITE.

Differential and Integral Calculus. Elementary course. Twice a week. ASST. PROF. BYERLY.

Physics. Deschanel's Natural Philosophy (Parts I. and II.). Twice a week. MR. WILLSON.

Descriptive Geometry and Perspective. Three times a week. PROF. EUSTIS.

French. Fénelon's Fables; Voltaire (Histoire de Charles XII.); Modern Novels; Brachet's Grammar. Three times a week. ASST. PROF. JACQUINOT.

German. Whitney's Grammar; German Stories. Three times a week. MESSRS. SHELDON and LUTZ.

SECOND YEAR.

Analytic Geometry (Salmon's Conic Sections). Selected Course. Twice a week. PROF. J. M. PEIRCE.

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Determinants; Theory of Equations; and other matter supplementary to the first course in the Calculus. Twice a week. PROF. J. M. PEIRCE.

Astronomy, Optics, and Acoustics. Twice a week. PROF. LOVERING.

Elementary Chemistry, with Laboratory Practice. Two lectures, one recitation, and three hours' laboratory practice. ASST. PROF. JACKSON.

German Prose. Scientific Authors. Twice a week. MR. HODGES.

THIRD YEAR.

Differential and Integral Calculus. Second course. Three times a week. ASST. PROF. BYERLY.

Practical Astronomy (at the Observatory). Three times a week.

Practical exercises in the Laboratory, including the use of instruments of precision in testing the laws of Mechanics, Acoustics, Optics, Magnetism, and Electricity; and an extended course in Electrical Measurements. Three times a week. ASST. PROF. TROWBRIDGE.

Undulatory Theory of Light. Electricity and Magnetism. Three times a week. PROF. LOVERING.

FOURTH YEAR.

Mathematical Physics (Maxwell's Electricity and Magnetism). Three times a week. ASST. PROF. TROWBRIDGE.

The Spectroscope and its Applications. Thermodynamics and Thermics, including the Applications of Heat. Three times a week. PROF. GIBBS.

Other electives, three times a week.

Preparation of Thesis. Six hours a week.

The course may be varied to meet the wants of students.

Students who complete this course, pass the required examinations, and present a thesis, receive the degree of Bachelor of Science.

THE TEACHERS' COURSES.

1. A one year's course of study in the elements of NATURAL HISTORY, CHEMISTRY, and PHYSICS, including any of the following subjects: Physical Geography and Elementary Geology; General Chemistry and Qualitative Analysis; Mineralogy; Physics; Botany; Comparative Anatomy and Physiology; Zoölogy.

This course is flexible and comprehensive: the instruction is mainly given in the laboratories and museums of the University, and is of the most practical character, every student being taught to make experiments and study specimens himself.

Botanical instruction is given at the botanical laboratory. Dissecting and compound microscopes are provided for students, and the garden and greenhouses afford ample material for the practical study of the science. All work is under the direct supervision of Professor Goodale and Assistant Professor Farlow.

Similar facilities are afforded for the study of Zoölogy, Comparative Anatomy and Physiology, Geology, and Palæontology, at the laboratories of the Museum of Comparative Zoölogy, and of Mineralogy at the

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Mineral Cabinet. The instruction in Experimental Chemistry and Physics is given in the laboratories, and the students are shown the best methods of illustrating experimentally the principles of these sciences.

2. Special courses in Botany, Chemistry, Mineralogy, and Geology, are given during the vacation to teachers and others who are unable to attend during term time.

INSTRUCTION FOR CANDIDATES FOR THE DOCTOR'S DEGREE, AND OTHER ADVANCED STUDENTS.

Instruction for advanced students can be obtained in any of the following subjects: PHYSICS, CHEMISTRY, PHYSIOLOGY, ZOÖLOGY, BOTANY, and MATHEMATICS.

Professor Gibbs receives special students in Heat, and a part of the subject of Light, at the Rumford Laboratory; Assistant Professor Trowbridge receives special students in Physics at the Laboratory in Lawrence Hall; Professor Cooke receives special students in Inorganic Chemistry and Mineralogy, Assistant Professors Jackson and Hill in Organic Chemistry, at the Laboratories in Boylston Hall; Professor Hagen and Messrs. Pourtalès and Allen receive special students in Zoölogy, Professors Whitney and Shaler in Geology, and Professor Shaler in Palæontology, at the Museum of Comparative Zoölogy; Professor Bowditch receives special students at the Physiological Laboratory of the Medical School; Professor Goodale receives special students in Botany at the Botanic Garden and Herbarium; Professors Benjamin Peirce and James M. Peirce receive special students in Mathematics.

The opportunities for advanced students in all branches of Natural History, and in Physics, Chemistry, Astronomy, and Mathematics, are very great. The Museum of Comparative Zoölogy contains a Zoölogical and a Geological and Palæontological Laboratory, in addition to the work-rooms of the different departments, to which the most advanced students are admitted in charge of the assistants. The Library at the Museum contains about twelve thousand volumes. The Botanical department has a thoroughly furnished laboratory, garden, and greenhouse, and its library and herbarium are the largest in America. The Chemical department has three laboratories: one accommodating one hundred students, and devoted to experimental chemistry and qualitative analysis; a second, expressly fitted up for quantitative analysis; and a third, for organic chemistry. The Physical department has two laboratories: one under the charge of the Rumford Professor, Dr. Gibbs, for investigations in Heat and Light; the other in charge of Assistant Professor Trowbridge, provided with the most recent apparatus for electrical measurements and other instruments of precision, affording ample means for investigating physical phenomena in general.

The course of instruction open at the Observatory to students belonging to the Scientific School includes all the branches of Practical Astron-

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omy and Geodesy. The progress which any student can make in these subjects must of course depend upon the amount of time at his disposal.

The course of study is arranged as follows: —

1. Determination of clock errors and of terrestrial longitudes. This includes the comparison of timepieces by electrical and other methods; the use of the portable transit instrument in the meridian, with or without electric registering apparatus; the reduction of the observations thus made, and the application to the results of the method of least squares.

2. Determination of terrestrial latitudes by the zenith telescope and equivalent instruments.

3. The use of the sextant in determinations of time, latitude, &c.

4. The use of the transit instrument out of the meridian, in the prime vertical, &c.

The above subjects are probably sufficient to occupy all the available time of ordinary students; but those who can do more will be instructed in any branch of practical or theoretical astronomy which they may select.

The Observatory is provided with portable transit instruments, field observatories, and all other apparatus required in carrying out the above programme. Instruction is given by the Director and his assistants. Before beginning, the student should have a thorough knowledge of the use of logarithms, and should be qualified to compute from any of the formulae of algebra or trigonometry.

ADMISSION.

Candidates for admission to any one of the regular courses in Engineering, Chemistry, Natural History, or Mathematics, Physics, and Astronomy, will be examined in the following subjects: —

Modern Geography. — Miss Hall's Our World, No. 2.

English Composition. — Each candidate will be required to write a short English Composition, correct in spelling, punctuation, grammar, and expression. The subject will be taken from one of the following works: Shakspere's Tempest, Julius Caesar, or Merchant of Venice; Goldsmith's Vicar of Wakefield; Scott's Waverley or Marmion.

Latin. — Four books of Caesar's Commentaries, and four books of the Aeneid of Virgil, or their equivalents; Latin Grammar, as much as is contained in either Allen's or Harkness's Elementary Latin Grammar.

French or German. — The translation at sight of easy prose.

Arithmetic, including the metric system of weights and measures, and the use of logarithms.

Algebra. — As much as is contained in the Complete School Algebra of Olney, or the Elementary Algebra of Greenleaf, Loomis, or Robinson.

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ELEMENTARY GEOMETRY. — The first five books of Chauvenet's Geometry.

PLANE AND ANALYTIC TRIGONOMETRY. — The large print of the first eight chapters of Chauvenet's Trigonometry.

ELEMENTARY DESCRIPTIVE CHEMISTRY, as much as is contained in Nichol's abridgment of Eliot and Storer's Manual.

ELEMENTARY PHYSICS, as much as is contained in Balfour Stewart's Lessons in Elementary Physics.

For the Course in Engineering. — In addition to the above requisitions, candidates who propose to take the course in Engineering will be examined in —

ALGEBRA, as much as is contained in the larger works of Olney, Robinson, Todhunter, or Greenleaf;

SOLID GEOMETRY, the last four books of Chauvenet's Geometry.

For the Course in Mathematics, Physics, and Astronomy. — In addition to the requisitions of the Engineering course, candidates will be examined in —

ANALYTIC GEOMETRY, as much as is contained in Peck's Treatise.

Every candidate for admission to advanced standing will be further examined in all the studies already pursued by the class for which he offers himself.

Graduates of Harvard College who have sustained a satisfactory examination while in College on the subjects of the first and second years of the Engineering course, except Drawing and Surveying, will be admitted to the third year of that course. Undergraduates who intend to study Engineering are recommended by the Scientific Faculty to take, as extras, the courses of Drawing and Surveying in the Scientific School; but these subjects may be made up in the third and fourth years.

In all the courses of the Scientific School, the successful study of any subject in College will be taken as an equivalent for the same subject in the Scientific School.

Examinations for admission will be held at Lawrence Hall on Thursday, Friday, and Saturday, June 26, 27, and 28, and on Thursday, Friday, and Saturday, September 25, 26, and 27, 1879, beginning at 8 A.M. The June examinations will be held at Cincinnati also. Those offering themselves at the June examination, and finding themselves deficient in a portion of the mathematics, can get systematic instruction in these subjects at Cambridge during the long summer vacation.

There is no examination for admission to the Teachers' Courses.

Students of regular standing in the Scientific School may attend the exercises in any other department of the University free, excepting the exercises in the special laboratories.

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DEGREES.

The degree of CIVIL ENGINEER, or MINING ENGINEER, will be conferred upon any student who has completed the prescribed course of study in civil and topographical or mining engineering, sustained the necessary examinations, and presented a thesis.

The degree of BACHELOR OF SCIENCE may be conferred upon any student, who, having attended the School for at least one year, and completed the prescribed course of studies in one or more departments, shall have passed a satisfactory public examination and presented a thesis. The department or departments in which the student has been examined, and his grade of merit, will be specified in the Diploma.

The three grades of the degree are *cum laude, magna cum laude, summa cum laude.*

The requisitions for the degree of DOCTOR OF SCIENCE are stated on page 170.

SCHOLARSHIPS.

Four University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Scientific School. They are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year. The award is made by the Corporation on the recommendation of the Faculty. One-third of the annual value of the Scholarships is paid at the time of the award, one-third about the first of January, and one-third about the first of April, following. Applications for these Scholarships must be addressed in writing to the Dean, by the first of June.

FEES AND EXPENSES.

The tuition fee for the academic year in any of the above departments or courses is $150.

The tuition fees for candidates for the degree of Doctor of Science are stated on page 168.

The other expenses of a student for an academic year may be estimated as follows: —

Room	from $30 to	$100
Board for thirty-eight weeks	„ 152 „	304
Books	„ 20 „	25
Fuel and lights	„ 15 „	35
Washing	„ 19 „	38
Total	„ $286 „	$502

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Scientific School bills are payable in each year on January 12, April 5, and October 10; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

Deductions from the full year's tuition fee will be made as follows: —

If a student joins or leaves the School between January 1 and April 1, one third will be deducted.

If a student joins the School between April 1 and Commencement, or leaves the School before January 1, two thirds will be deducted.

But no deduction will be made in case of a student leaving the School, unless he gives immediate notice thereof, in writing, to the Dean.

Students in the Scientific School may obtain rooms in the college buildings by applying to the Bursar, either by mail or in person. They may also join the Harvard Dining Association, and board at cost at Memorial Hall.

Students in Chemistry are supplied with all needed apparatus, but are required to restore it in as good condition as when received. They are charged for all damage or breakage, and also from ten to thirty dollars per annum for chemicals and use of apparatus.

Students in Engineering provide their own drawing materials.

The Gymnasium is open to all members of the University, without extra charge.

All students admitted to the Lawrence Scientific School must furnish satisfactory evidence of good moral character; give bonds in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of all dues to the University; and register their names with the Dean of the Faculty of the School. Instead of filing a bond, a student may deposit with the Bursar such a sum of money as may be deemed sufficient to secure the payment of all dues to the University.

Students engaging college rooms, or boarding at Memorial Hall, will be required to file the same bond as undergraduates of the College ($400), or to pay rent for the year in advance, and deposit the sum of $200 as security for the payment of their board; and they hold the rooms subject to the regulations of the Parietal Committee, in the same manner as if they were undergraduates.

No officer or student of the University will be accepted as bondsman.

For further information, apply to J. W. Harris, Secretary.

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THE ASTRONOMICAL OBSERVATORY.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
EDWARD C. PICKERING, S.B., *Phillips Professor of Astronomy and Geodesy, and Director.*
WILLIAM A. ROGERS, A.M., *Assistant Professor of Astronomy.*
ARTHUR SEARLE, A.M., *Assistant.*
LEONARD WALDO, A.M., *Assistant, and in charge of the Time Service.*
WINSLOW UPTON, A.M., *Assistant.*
FRANK WALDO, S.B., *Assistant.*

THIS Observatory was founded for the purpose of scientific research in all departments of Astronomy. To fulfil this purpose, it has been equipped with instruments of the first class and with a library of about 5,000 works (including pamphlets), principally relating to astronomical subjects. It has likewise been provided with funds for the maintenance and increase of its equipment and library, and for the payment of its current expenses, special provision having also been made for the publication of its observations.

Any one properly qualified to pursue the study of practical astronomy may be admitted to the Observatory as a student. Such students will be permitted to take part in the observations and other work carried on at the time in the Observatory, as well as to make use of the Observatory library. They will also receive from the officers of the Observatory such assistance in the study of any branch of astronomy as can be rendered without interference with current work.

In order to study profitably at the Observatory, the student should already possess such a degree of astronomical knowledge as is implied in a thorough acquaintance with Herschel's "Outlines of Astronomy," or any equivalent work. He should also have a sufficient knowledge of mathematics readily to comprehend the mathematical expressions in works like Chauvenet's "Spherical and Practical Astronomy," or the "Theoria Motus Corporum Cælestium" of Gauss. Ability to read the German language, though not indispensable, is very desirable.

Application for admission may be made to the Director, with whom the fees for instruction may be agreed upon. In special cases, a part or the whole of the fees may be remitted in consideration of services rendered in computation.

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THE MEDICAL SCHOOL.

BOSTON.

INSTRUCTION in this School is given by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed throughout the academic year. The year begins on the Thursday following the last Wednesday in September,* and ends on the last Wednesday in June. There is a recess at Christmas, beginning December 23, and ending January 2; and a spring recess, beginning on the Wednesday before Fast Day, and ending on the following Tuesday.

The course of instruction has been greatly enlarged, so as to extend over three years, and has been so arranged as to carry the student progressively and systematically from one subject to another, in a just and natural order.

In the subjects of anatomy, histology, chemistry, and pathological anatomy, laboratory work is substituted for, or added to, the usual didactic lectures, and is as much required of every student as attendance at lectures and recitations.

Instead of the customary oral examination for the degree of Doctor of Medicine, held at the end of the three years' period of study, a series of written examinations on all the main subjects of medical instruction has been distributed for regular students through the whole three years. Every candidate for the degree must pass a satisfactory examination in every one of the principal departments of medical instruction, at some time during his period of study.

Members of any one department of Harvard University have a right to attend lectures and recitations in any other department, without paying additional fees. Students in the Medical School, who wish to avail themselves of this opportunity of pursuing scientific or other studies, may do so without loss of time counted as medical study, to such extent and in such manner as the Medical Faculty shall in each case prescribe. Undergraduates intending to study medicine are advised to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages, while in College.

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* That the time of study shall count as a full term, students must present themselves within the first week of the term.

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FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

CALVIN ELLIS, M.D., *Dean, and Jackson Professor of Clinical Medicine.*

JOHN B. S. JACKSON, M.D., *Shattuck Professor of Morbid Anatomy, and Curator of the Anatomical Museum.*

OLIVER W. HOLMES, M.D., *Parkman Professor of Anatomy.*

HENRY J. BIGELOW, M.D., *Professor of Surgery.*

FRANCIS MINOT, M.D., *Hersey Professor of the Theory and Practice of Physic.*

JOHN P. REYNOLDS, M.D., *Professor of Obstetrics.*

HENRY W. WILLIAMS, M.D., *Professor of Ophthalmology.*

DAVID W. CHEEVER, M.D., *Professor of Clinical Surgery.*

JAMES C. WHITE, M.D., *Professor of Dermatology.*

ROBERT T. EDES, M.D., *Professor of Materia Medica.*

HENRY P. BOWDITCH, M.D., *Professor of Physiology.*

FREDERICK I. KNIGHT, M.D., *Instructor in Percussion, Auscultation, and Laryngoscopy.*

CHARLES B. PORTER, M.D., *Demonstrator of Anatomy and Instructor in Surgery.*

JOHN C. WARREN, M.D., *Instructor in Surgery.*

REGINALD H. FITZ, M.D., *Assistant Professor of Pathological Anatomy.*

WILLIAM L. RICHARDSON, M.D., *Instructor in Obstetrics.*

THOMAS DWIGHT, M.D., *Instructor in Histology.*

EDWARD S. WOOD, M.D., *Professor of Chemistry.*

HENRY H. A. BEACH, M.D., *Assistant Demonstrator of Anatomy.*

WILLIAM H. BAKER, M.D., *Instructor in Gynæcology.*

WILLIAM B. HILLS, M.D., *Instructor in Chemistry.*

OTHER INSTRUCTORS.

GEORGE F. H. MARKOE, *Instructor in Materia Medica.*

FRANK W. DRAPER, M.D., *Lecturer on Forensic Medicine.*

CHARLES F. FOLSOM, M.D., *Lecturer on Hygiene.*

HENRY P. QUINCY, M.D., *Assistant in Histology.*

EDWARD N. WHITTIER, M.D., *Assistant in Clinical Medicine.*

ELBRIDGE G. CUTLER, M.D., *Assistant in Pathological Anatomy.*

GEORGE M. GARLAND, M.D., *Assistant in Physiology.*

The following gentlemen will give special clinical instruction: —

FRANCIS B. GREENOUGH, M.D., and EDWARD WIGGLESWORTH, M.D., *in Syphilis.*

JOHN O. GREEN, M.D., and C. J. BLAKE, M.D., *in Otology.*

CHARLES P. PUTNAM, M.D., and JOSEPH P. OLIVER, M.D., *in Diseases of Children.*

SAMUEL G. WEBBER, M.D., and JAMES J. PUTNAM, M.D., *in Diseases of the Nervous System.*

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STUDENTS.

Course for Graduates.

Carlton, Charles Augustus, M.D. (*Dart. Coll.*),	*Salem.*
Crowell, Thomas Alexander, M.D. (*Jeff. Med. Coll.*),	*Lincolnton, N.C.*
Dudley, Henry Watson, M.D.,	*Abington.*
Dunlap, William Herbert, S.B., M.D. (*Syracuse Univ.*),	*Syracuse, N.Y.*
Forsaith, Francis Flint, A.B. (*Dart. Coll.*), M.D. (*Berkshire Coll.*),	*Weymouth.*
Gleason, Jubal Converse, A.B. (*Amherst Coll.*), M.D.,	*Rockland.*
Green, Charles Montraville, M.D.,	*Boston.*
Pinkham, Joseph Gurney, A.M. (*Haverford Coll.*), M.D. (*Long Isl. Coll. Hosp.*),	*Lynn.*
Stockwell, Charles Bliss, A.B. (*Olivet Coll.*), M.D.,	*Port Huron, Mich.*
Tower, Charles Carroll, A.B., M.D.,	*S. Weymouth.*
Townsend, William Wilder, A.B., M.D. (*Howard Univ.*),	*Washington, D.C.*

Fourth Class.

Emerson, William Carroll, A.B.,	*Haverhill.*

Third Class.

Abbott, Charles Edward,	*Andover.*
Allen, Dudley Peter, A.B. (*Oberlin Coll.*),	*Oberlin, O.*
Battey, Henry Halsey,	*Rome, Ga.*
Bowers, Walter Prentice,	*Clinton.*
Broyer, Constant,	*Melbourne, Australia.*
Burns, Robert,	*Lancaster, N.H.*
Clarke, Samuel Bartlett,	*Salem.*
Cleaves, James Edwin, A.B.,	*Medford.*
Davis, William, A.B.,	*Plymouth.*
Dixon, Robert Brewer,	*Damariscotta, Me.*
Drew, Frank Haynes,	*Boston.*
Durell, Thomas Moulton,	*Somerville.*
Eaton, Wyllis Gilbert, A.B. (*Dart. Coll.*),	*Lowell.*
Ernst, Harold Clarence, A.B.,	*Boston.*
Gardner, Guy Hubbard,	*Winchester.*
Grandin, Egbert Henry, A.B.,	*New York, N.Y.*
Hall, David Graham,	*Boston.*
Hartley, Richard Cook Borden,	*Fall River.*
Hill, Charles Edwin, A.B. (*Yale Coll.*),	*E. Killingly, Conn.*
Hinds, Francis Edward,	*Boston.*

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Holbrook, William Edward, A.B. (*Amherst Coll.*),	*Palmer.*
Hooker, Charles Parker,	*Springfield.*
Jaques, Henry Percy, A.B.,	*Boston.*
Johnson, Frederick William, A.M. (*Amherst Coll.*),	*Boston.*
Keating, James Edward,	*Milford.*
Kyle, Flavill Winslow,	*Boston.*
Larrabee, Walter Willis,	*Boston.*
Lombard, Frederic Howard, A.B.,	*Boston.*
Mallett, Charles Howard,	*Bath, Me.*
Monks, George Howard, A.B.,	*Boston.*
Mullen, Francis Henry,	*Boston.*
Noyes, Ernest Henry, A.M. (*Bowd. Coll.*),	*Newburyport.*
Otis, Walter Joseph,	*Chicago, Ill.*
Parsons, Azariah Worthington,	*Somerville.*
Peckham, Cyrus Tracy, A.B.,	*Ledyard, Conn.*
Randall, James Munroe,	*Woburn.*
Robbins, Elliot Daniel,	*Boston.*
Rogers, Gorham Davis,	*Newbury.*
Ruddock, Edward Josiah, A.B. (*Amherst Coll.*),	*Greenfield.*
Scully, Francis Patrick,	*Medford.*
Simmons, William Turner,	*Boston.*
Smith, Thomas Perkins, A.B. (*Bates Coll.*),	*Ashland, N.H.*
Spring, Willis Parsons, A.B. (*Oberlin Coll.*),	*Redwing, Minn.*
Standish, Myles, A.M. (*Bowd. Coll.*),	*Cambridge.*
Stetson, Edwin Flye,	*Damariscotta, Me.*
Strong, Charles Pratt, A.B.,	*E. Bridgewater.*
Swarts, Gardner Taber,	*Providence, R.I.*
Terry, Herbert, S.B. (*Cornell Univ.*),	*Fairhaven.*
Wade, Edric Allan,	*Lawrence.*
Walton, George Lincoln, A.B.,	*Westfield.*
Warren, Lewis Jonathan, A.B. (*Yale Coll.*),	*Killingly, Conn.*
Webber, Fred Ward,	*Cambridge.*
Wolcott, Willard,	*Hartford, Conn.*
Young, John Francis,	*Boston.*

Second Class.

Adams, George Edwin,	*Lowell.*
Baker, John Walter,	*Chelsea.*
Bill, George Edwin, A.B. (*Tufts Coll.*),	*Waltham.*
Blanchard, Benjamin Seaver,	*Boston.*
Bradford, Carey Carpenter, A.B. (*Brown Univ.*),	*W. Woodstock, Conn.*
Bridgman, George Herbert, A.B. (*Dart. Coll.*),	*Keene, N.H.*
Briggs, Edward Cornelius, D.M.D.,	*Boston.*
Burr, Buchanan,	*Astoria, N.Y.*

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Call, Charles Henry,	*Lowell.*
Cates, Abraham Barker, A.M. (*Colby Univ.*),	*Vassalboro', Me.*
Cunningham, William Frost,	*Charlestown.*
Currier, Charles Gilman, A.B.,	*Boston.*
Cushing, Hayward Warren, A.B.,	*Boston.*
Cutter, Edward Jones, A.B.,	*Nashua, N.H.*
Dewey, Charles Ayrault, A.B. (*Univ. of Rochester*),	*Rochester, N.Y.*
Doggett, Frederic Fobes, A.B.,	*Quincy.*
Donovan, Benedict,	*Boston.*
Dow, George William, A.B. (*Brown Univ.*),	*Lawrence.*
Elliot, Edward Pearson, A.B.,	*Somerville.*
Ellis, Fred Warren,	*Monson.*
Fisk, Samuel Augustus, A.B. (*Yale Coll.*),	*Northampton.*
Fraser, Donald Allan,	*Boston.*
Gildee, James Bennett,	*Lowell.*
Goddard, Thacher,	*Boston.*
Hammond, Charles Bartlett, A.B. (*Dart. Coll.*),	*Nashua, N.H.*
Harrington, Frank Bishop, A.B. (*Tufts Coll.*),	*Salem.*
Hodges, William Donnison,	*Nahant.*
Jackson, William Benjamin,	*Lowell.*
Jarvis, William Furness,	*Boston.*
Jefferson, Herbert Perry,	*Lowell.*
Kibbey, William Beckford,	*Washington, D.C.*
Kingman, Rufus Anderson,	*Boston.*
Kittredge, Joseph,	*N. Andover.*
Litchfield, William Harvey,	*Hull.*
Lobsitz, Leopold,	*Springfield.*
McDonough, Thomas Patrick,	*Milford.*
Millet, Charles Sumner,	*E. Bridgewater.*
Morton, Nathaniel Bowditch,	*Boston.*
Noonan, Michael Charles,	*Lowell.*
Osman, Charles Franklin,	*Boston.*
Pierce, Matthew Vassar, A.B.,	*Boston.*
Pomroy, Herbert Jason,	*Providence, R.I.*
Ryder, Godfrey, Jr., A.B.,	*Medford.*
Sherman, Thomas Foster, A.B.,	*Boston.*
Simmons, Moyses Rogers,	*Hanover.*
Smith, John Joseph, A.B. (*Holy Cross Coll.*),	*Somerville.*
Sprague, William Lawrence, A.B.,	*Boston.*
Squires, Harry Sanford,	*Troy, N.Y.*
Stickney, George Augustus,	*Haverhill.*
Swift, William Nye, A.B.,	*New Bedford.*
Temple, William Franklin, A.B. (*Dart. Coll.*),	*Boston.*
Terrell, Frederick, A.B. (*Ind. Asbury Univ.*),	*San Antonio, Texas.*

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Thurlow, John Howard,	*Boston.*
Titcomb, George Eugene,	*Exeter, N.H.*
Tower, Charles Bates,	*Cambridge.*
Twitchell, George Pierce,	*Keene, N.H.*
Underhill, Caleb Brooks,	*Somerville.*
Wakefield, Alley Talbot, A.B.,	*Cambridge.*
Walker, James Wise, A.B.,	*Boston.*
Warren, Edward Winslow, A.B.,	*Boston.*
West, Edward Graeff, A.B.,	*Exeter, N.H.*
Weston, Charles Galen,	*Revere.*
White, Charles Warren, Jr.,	*Boston.*
White, Herbert Warren,	*Randolph.*
Whitman, Royal,	*Boston.*
Whitney, Herbert Baker, A.B.,	*Leominster.*
Witherlee, Charles Bryant, A.B.,	*Castine, Me.*
Withington, Charles Francis, A.B.,	*Boston.*
Woodman, Walter, A.B.,	*Cambridge.*

First Class.

Adams, Henry Fiske,	*Peterboro', N.H.*
Applegate, William A.,	*Yellow Springs, O.*
Atwood, Frank Sumner,	*Salem.*
Bartlett, Frederic Russell,	*Worcester.*
Beckwith, Fred Jason, A.B. (*Yale Coll.*),	*New London, Conn.*
Bigelow, Samuel Lee,	*Worcester.*
Bloom, Isadore Nathan, A.B. (*Yale Coll.*),	*Louisville, Ky.*
Boutwell, Henry Winslow,	*Medford.*
Bradley, Charles How,	*Haverhill.*
Brainerd, John Bliss,	*St. Albans, Vt.*
Briard, William Henry Lighthill,	*Cambridge.*
Brown, William Francis, A.B. (*Boston Coll.*),	*Boston.*
Browne, William Tyler, PH.B. (*Yale Coll.*),	*Lisbon, Conn.*
Buck, Howard Mendenhall, A.B.,	*Boston.*
Burdick, AHen,	*St. Albans, Vt.*
Carter, Edward Nathaniel,	*Belleville, Ill.*
Church, Moses Davis,	*Valley Falls, R.I.*
Clark, Joseph Eddy,	*Boston.*
Clarke, Maurice Dwight, A.B. (*Amherst Coll.*),	*E. Cambridge.*
Coe, Henry Clark, A.B. (*Yale Coll.*),	*Boston.*
Coggeshall, Henry Tisdale,	*Newport, R.I.*
Cushman, George Thomas,	*Boston.*
Denny, Charles Frederic,	*Somerville.*
Deroin, Francis Xavier,	*S. Ely, Canada.*
Doble, Ernest Edgar,	*W. Quincy.*

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Drake, Henry Scudder, A.B. (*Brown Univ.*),	*Middleboro'.*
Dunbar, Franklin Asaph, A.B.,	*Cambridge.*
Dyer, Willard Knowlton,	*Boston.*
Egan, John James,	*Boston.*
Ellicott, Edward Somerville, A.B.,	*Boston.*
Faulkner, Harry Winthrop,	*Billerica.*
Faunce, Robert Harris,	*Sandwich.*
Galligan, Edward Francis,	*Taunton.*
Gay, Frederick Lewis,	*Boston.*
Gerould, Joseph Bowditch, B.S. (*Dart. Coll.*),	*Keene, N.H.*
Getchell, Albert Colby, A.B. (*Colby Univ.*),	*Waterville, Me.*
Godding, Clarence Miles, A.B. (*Brown Univ.*),	*Providence, R.I.*
Goodell, George Zina,	*Salem.*
Gould, Charles Asahel,	*Newtonville.*
Griffin, Arthur George,	*Litchfield, N.H.*
Hall, Josiah Newhall, B.S. (*Mass. Agr. Coll.*),	*Revere.*
Harrington, Charles, 2d, A.B.,	*Salem.*
Harrower, David, Jr., 2d,	*S. Kingston, R.I.*
Hastings, Edward Holland,	*Walpole, N.H.*
Hayes, Edward Stephen,	*Leavenworth, Kansas.*
Hayward, Walter Sumner, A.B. (*Brown Univ.*),	*Brockton.*
Hewins, Parke Woodbury, A.B.,	*Taunton.*
Holden, William Daniel,	*Haverhill.*
Holyoke, Frank,	*W. Medford.*
Homans, John 2d,	*Boston.*
Howe, James Sullivan,	*Bolton.*
Huse, Charles Archelaus, A.B. (*Brown Univ.*),	*Worcester.*
Huse, George Wood, A.B.,	*Newburyport.*
Jarvis, Leonard, B.S. (*Dart. Coll.*),	*Claremont, N.H.*
Jewett, Milo Augustus,	*Milwaukee, Wis.*
Johnson, Herbert Shattuck, A.B. (*Amherst. Coll.*),	*Lowell.*
Kettle, Lorenzo Nelson,	*Boston.*
King, James Henry, A.B. (*Univ. of Vt.*),	*Benson, Vt.*
Knapp, Philip Coombs, Jr., A.B.,	*Boston.*
Lombard, Warren Plimpton, A.B.,	*W. Newton.*
Manton, Walter Porter,	*Boston.*
Mason, Alverdo H.,	*E. Braintree.*
Mayberry, Edwin Nelson,	*Weston.*
McCarthy, Daniel George,	*Boston.*
McIntyre, James Clarke,	*Boston.*
McKaye, Henry Goodwin,	*Boston.*
McMichael, Willis Brooks, A.B. (*Boston Univ.*),	*Boston.*
Mead, Julian Augustus, A.B.,	*W. Acton.*
Metcalf, Simeon McCausland,	*Somerville.*

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Millerick, Daniel Edward, A.B. (*Holy Cross Coll.*),	*Boston.*
Morrill, Fred. Hiram,	*Nashua, N.H.*
Nelson, Samuel Newell, A.B.,	*Milford.*
Newell, Otis Kimball,	*Boston.*
Nickerson, Asa Harden,	*Providence, R.I.*
Noble, Arthur Green,	*Boston.*
Otterson, William David,	*Nashua, N.H.*
Palmer, Lewis Merritt, A.M. (*Bates Coll.*),	*Litchfield, Me.*
Perkins, Henry Phelps, Jr.,	*Lowell.*
Perry, Arthur Pedro,	*Newtonville.*
Potter, William Henry, A.B.,	*Boston.*
Richardson, Dana Putnam,	*Leominster.*
Russell, Eben George,	*E. Deering, Me.*
Sampson, Frederic Albert,	*Lawrence.*
Sawin, Charles Dexter, B.S. (*Mass. Inst. Tech.*),	*Boston.*
Shepard, George Clarence, A.B.,	*Boston.*
Sherman, Frank Morton,	*Watertown.*
Spicer, William Francis, Jr.,	*Winchester.*
Spofford, Amos Little, B.S. (*Mass. Agr. Coll.*),	*Georgetown.*
Squibb, Edward Hamilton, B.S.,	*Brooklyn, N.Y.*
Stearns, Charles Goddard, A.B. (*Amherst Coll.*),	*Boston.*
Stevens, John Cornell,	*New York, N.Y.*
Sturgis, Russell 3d, A.B.,	*Boston.*
Taylor, Frederic Weston, A.B.,	*Cambridge.*
Vickery, Herman Frank, A.B.,	*Weymouth.*
Weld, Charles Goddard,	*Boston.*
Wetherbee, Roswell,	*Acton.*
Wetherell, Arthur Bryant,	*Southampton.*
Whitridge, Roland Barker,	*Boston.*
Wilcox, Reynold Webb, A.B. (*Yale Coll.*),	*Madison, Conn.*
Wilson, John Harpin,	*Dubuque, Iowa.*
Wood, Henry Austin, A.B.,	*Upton.*
Woodward, Lemuel Fox, B.S.,	*Worcester.*
Wyman, Morrill, Jr.,	*Cambridge.*

SUMMARY.

Graduates' Course	11
Fourth Class	1
Third Class	54
Second Class	69
First Class	103
Total	238

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THE MEDICAL SCHOOL.

REQUISITES FOR ADMISSION.

All candidates for admission, excepting those who have passed an examination for admission to Harvard College, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination, on the Monday preceding the last Wednesday in June or September at 10 A.M., in the following subjects: —

1. LATIN. The translation of easy Latin prose. French or German will be accepted, however, as a substitute for Latin.

2. PHYSICS. Candidates will be required to show such a knowledge of this subject as may be obtained from Balfour Stewart's elementary works on Physics.

The examinations will be conducted in writing; and, in judging the work of the candidate, the spelling, grammar, and construction will be considered.

Graduates in medicine will not be required to pass this examination on joining the school.

DIVISION OF STUDIES.

First year. — Anatomy, Physiology, and General Chemistry.*

Second year. — Medical Chemistry, Materia Medica, Pathological Anatomy, Clinical Medicine, and Clinical Surgery.

Third year. — Therapeutics, Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, and Clinical Surgery.

COURSE OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — Lectures; various practical exercises, including abundant dissection under the direction of the Demonstrator; recitations from text-books; histology.

Physiology. — Lectures, recitations, and practical demonstrations in the

* Any student who shall have previously passed in the Undergraduate Department or Scientific School of Harvard University an examination in General Chemistry (including qualitative analysis) will be exempt from examination in this branch, and may pursue the study of Medical Chemistry during his first year.

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laboratory. To students of the second and third classes, opportunities are given for original investigations in the laboratory.

Chemistry is taught mainly by practical work in the laboratory, the student having his own desk and apparatus. General Chemistry and qualitative analysis are taught during the first year. Beside the laboratory work, there is a lecture and a recitation every week. In the second year, medical chemistry is taught by lectures and laboratory work.

Pathological Anatomy is taught by lectures, recitations, and practical instruction in pathological histology. The collection of the Warren Anatomical Museum is used to illustrate the lectures; and many morbid specimens are shown in a fresh state. Students also receive practical instruction in the method of making autopsies, and are admitted to those made at both hospitals. Special classes in pathological histology, including the diagnosis of tumors, are formed for those who are provided with a microscope. Such students are required to prepare the various objects. The school possesses a number of microscopes for the use of those students whose means will not permit the purchase of an instrument.

Materia Medica and Therapeutics.—Materia Medica is taught by lectures and practical demonstrations. Therapeutics, or the physiological action of drugs and their application to disease, is taught in the third year by lectures, recitations, and hospital exercises.

The Theory and Practice of Medicine. — Lectures, recitations, and hospital visits.

Clinical Medicine. — Daily instruction is given in this department by hospital visits and other exercises. Students are furnished with cases for personal examination, and are called upon to report them before the class, where they are criticised. These examinations are held both in the wards and in the amphitheatre. Another exercise, known as the "Clinical Conference," affords an opportunity for more thorough preparation of cases, more time being allowed for their study. The full written report of a case is read by the student who has examined it. It is afterwards criticised by the class, by the Professor of Clinical Medicine, and other teachers in the school. In addition to this, a regular course of supplementary instruction is given in Auscultation and Percussion, and in Laryngoscopy, which affords students an abundant opportunity for acquiring a thoroughly practical knowledge of these methods of exploration.

Surgery. — Lectures and recitations. There are also courses on Surgical Anatomy, Minor Surgery, Surgical Histology, Bandaging, and Operative Surgery. In the latter, students of the third class are supplied with material for repeating the usual surgical operations.

Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital throughout the year, as follows: —

First Half-Year. — Clinical Lectures on cases, per week, 2; Surgical

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Visits in the hospital wards, per week, 2; public operating days, per week, 2. Total number of exercises per week, 7.

SECOND HALF-YEAR. — Clinical Lectures on cases, per week, 1; Surgical Visits in the hospital wards, per week, 8; public operating days, per week, 3. Total number of exercises per week, 7.

The Professor of Clinical Surgery holds an exercise twice a week, in winter, at the City Hospital. On one day, a clinical lecture is given over surgical cases brought into the operating theatre, illustrated by explorations and operations. On the other day, a bedside clinic is held in the wards. A third exercise is held each week in winter, in the form of a surgical conference, at which third year students make a full written report of a surgical case, which is then criticised by their fellow-students and by the Professor. Every candidate for a degree is required to report a clinical case in surgery.

Obstetrics. — Lectures and recitations. Students are instructed in the usual operations on the manikin, and will have opportunities to take charge of cases of obstetrics in their third year. A course of operative obstetrics, with practical illustrations on the cadaver, is given.

Diseases of Women and Children. — Lectures and Clinical Instruction.

Ophthalmology. — A complete course is delivered upon the diseases of the eye, including clinical instruction and the use of the ophthalmoscope.

Dermatology is taught by lectures and clinical illustrations. The large number of out-patients at the Massachusetts General Hospital furnishes ample opportunities for illustration.

Syphilis. — Recitations and clinical instruction.

Otology. — Lectures and clinical instruction.

Laryngoscopy, Auscultation, and Percussion. — Lectures and Demonstrations.

Diseases of the Nervous System. — Lectures and Demonstrations.

Hygiene. — Lectures.

Forensic Medicine. — Lectures.

TEXT-BOOKS.

The following works are recommended as text-books and for collateral reading: —

Text-Books.	*Collateral Reading.*
ANATOMY.	
Gray, Wilson, Leidy, Turner.	Quain (edition of 1876).
Hodges's Practical Dissections.	Holden's Osteology.
Holden's Manual.	Stricker's Manual of Histology.
Holden's Landmarks.	Frey's Histology.
	Frey's Microscopic Technology.
	Tyson's Cell Doctrine.

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Physiology.

Dalton's Human Physiology.
Foster's Text-book of Physiology.
Huxley's Elementary Lessons in Physiology.
Pavy on Food and Dietetics.
Fick, Compendium der Physiologie.
Fick, Medicinische Physik.
Sanderson's Hand-book for the Physiological Laboratory.
Flint's Physiology of Man.
Carpenter's Principles of Human Physiology.

General Chemistry.

Thorpe's Manual of Inorganic Chemistry.
Clowe's Elementary Treatise on Practical and Qualitative Inorganic Analysis.
Miller's Elements of Chemistry.

Medical Chemistry.

Tyson's Guide to the Practical Examination of the Urine.
Reese's Manual of Toxicology.
Ralfe, Outlines of Physiological Chemistry.
Gorup-Besanez, Physiologische Chemie.
Neubauer und Vogel, Analyse des Harns.
Taylor on Poisons.
Tardieu, Étude médico-légale et clinique sur l'Empoissonnement.

Materia Medica.

Parrish's Pharmacy.
United States Pharmacopœia.
United States Dispensatory.

Pathological Anatomy.

Wagner's Manual of General Pathology.
Orth's Compend of Diagnosis in Pathological Anatomy.
Virchow's Cellular Pathology.
Rindfleisch's Pathological Histology.
Jones and Sieveking's Pathological Anatomy (Payne's edition).
Wilks's Pathological Anatomy (Moxon's edition).

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THERAPEUTICS.

H. C. Wood's Therapeutics.

Bartholow's Materia Medica and Therapeutics.
Stillé's Therapeutics and Materia Medica.
Chamber's Manual of Diet.

OBSTETRICS.

Playfair's System of Midwifery.

Schroeder's Manual of Midwifery.
Cazeaux's Midwifery.
Winckel's Diseases of Child-bed.
Barker's Puerperal Diseases.
Barnes's Obstetric Operations.

THEORY AND PRACTICE.

Flint's Practice of Medicine.

Roberts's Hand-book of Theory and Practice of Medicine.
Niemeyer's Text-book of Practical Medicine.
Jaccoud, Traité de Pathologie Interne.
Bennett's Clinical Lectures on the Principles and Practice of Medicine.
Bristowe's Theory and Practice of Medicine.

SURGERY.

Bryant's Practice of Surgery.
Billroth's Surgical Pathology.

Heath's Minor Surgery and Bandaging.
Guérin, Éléments de Chirurgie Opératoire.
Holme's System of Surgery.
Cooper's Surgical Dictionary (1872).
Holden's Landmarks, Medical and Surgical.
Braune's Atlas of Topographical Anatomy, translated by Bellamy.

The tabular views on the following pages will illustrate the distribution of studies throughout the year: —

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FIRST HALF-YEAR, 1878-79.

FIRST YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories
10	Laboratories	Chemistry, L. or R., 1st 10 w'ks.	Laboratories	Laboratories	Chemistry, R.	Physiology, R.
11	Physiology, L.	Physiology, L.	Chemistry, L.	Laboratories	Physiology, L.	
12	Histology.	Laboratories	Laboratories	Histology.	Laboratories	Museum.
1	Anatomy, L.	Anatomy, L.	Anatomy, L. or R.	Anatomy, L.	Anatomy, R.	
5	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	

SECOND YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	M. G. H. Med. Visit.	B. C. H. Med. Visit. Bost. Disp.	Clinical Medicine, L.	M. G. H. Med. Visit.	Bost. Disp.	
10	Path. Anat. L. Aus. & Per.	Clin. Surg. L. after Dec. 1. Aus. & Per.	Aus. & Per.	Aus. & Per.	B. C. H. Surg. Visit. Aus. & Per.	M. G. H. Surg. Visit. Aus. & Per.
11	Clin. Surg. L.			Chemistry, L.	B. C. H. Op.	M. G. H. Op.
12				Mat. Med.	Chemistry, R.	Museum.
3	Path. Hist.	Path. Anat. R.	Path. Anat. L.	Path. Hist.	Path. Anat. R.	
4		Surgery, R.			Clin. Conf.	
5	Prac. Anat. till Jan. 1.	Prac. Anat. till Jan. 1	Prac. Anat. till Jan 1.	Prac. Anat. till Jan. 1.	Prac. Anat. till Jan. 1.	

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THIRD YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	M. G. H. Med. Visit. Eye and Ear Infirmary.	B. C. H. Med. Visit. Bost. Disp.	Clinical Medicine, L.	M. G. H. Med. Vis. Eye and Ear Infirmary.	B C. H. Ophthal and Otology. Bost. Disp.	Diseases of Nervous Sys.
10	Theo. and Prac. L.	Clin. Surg. L. after Dec. 1.	Dermatol. Clinical.	Theo. and Prac. L.	B C. H Surg. Visit.	M. G. H. Surg. Visit. Diseases of Children.
11	Clin. Surg. L.	Diseases of Nerv. Sys.	Surgery, L.	Surgery, L.	B. C. H. Op Diseases of Children.	M. G. H. Op.
12		Till Dec. Surgery, L. In Jan. Hygiene, L.		Obstetrics, R.	Venereal Diseases.	Museum.
2	Gynæcol. L.		Gynæcol. R.			
3	Obstetrics. L.	Theo. and Prac. R.	Obstetrics, L.	Ophthal.	Theo. and Prac. R.	
4	Therap. L.	Dermatol. L.	Therap. R.	Therap. L.	Clin. Conf.	

SECOND HALF-YEAR, 1878.

FIRST YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Histology, till April.	Laboratory.	Laboratory.	Histology, till April.	Laboratory.	Laboratory.
10	Histology, till April.	Laboratory.	Physiology. Conf.	Histology, till April.	Chemistry. R.	Physiology. R.
11	Chemistry. L.	Physiology. L.	Laboratory.	Laboratory.	Physiology. L.	
12	Embryology, in May.	Laboratory.	Laboratory.	Embryology, in May.	Laboratory.	Museum.
1	Anatomy. L. till May.	Anat. L. or R. till May.	Laboratory.	Anatomy. L. till May.	Anatomy R. till May.	
3	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Laboratory.	
5	Prac. Anat. till May.	Prac. Anat. till May.	Prac. Anat. till May.	Prac. Anat. till May.	Prac. Anat. till May.	

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SECOND YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	M. G. H. Med. Visits.	B. C. H. Med. Visit. Bost. Disp.		M. G. H. Med. Visit.	B. C. H. Bost. Disp.	Clin. Med.
10	Clin. Med. Aus. & Per.	B. C. H. Clin. Surg. till April 1. After Ap. 1, Med. Visit. Aus. & Per.	M. G. H. Surg. Vis. Aus. & Per.	Aus. & Per.	B. C. H. Surg. Visit. Aus. & Per.	M. G. H. Surg. Visit. Aus. & Per.
11	Path. Anat. L.		Chemistry. R.	Materia Medica.	B. C. H. Op.	M. G. H. Op.
12	Surg. Conf. till April 1. Regional Anat. after April 1.	Chemistry. L.	Reg. Anat. after Ap. 1.	M. G. H. Surg. Con.		Museum.
3	Path. Hist.	Path. Anat. R.	Path. Anat. L.	Path. Hist.	Path. Anat. R.	
4		Surgery R.	Clin. Conf.			

THIRD YEAR.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	M. G. H. Med. Visit. Eye and Ear Infirmary.	B. C. H. Med. Visit. Bost. Disp.	Clinical Dermatol. Clinical Gynæcol.	M. G. H. Med. Vis. Dis. of Nerv. Sys.	B. C. H. Ophthal. Clin. Otol. Eye and Ear Infirmary.	Clin. Med. Clin. Gynæ.
10	Clin. Med.	B. C. H. Clin. Surg. till April 1. After Ap. 1, Med. Vis.	M. G. H. Surg. Vis.	Ophthal.	B C. H. Surg. Visit. Bost. Disp.	M. G. H. Surg. Visit. Dis. of Children.
11	Theo. and Prac. L.		M. G. H. Op	Theo. and Prac. L.	B. C. H. Op.	M. G. H. Op.
12	Surg. Conf. till April 1.		Hygiene after Apr. 1.	Ment. Dis. till May.		Museum.
3	Obstetrics. R.	Theo. and Prac. R.	Obstetrics L.	Obstetrics L.	Theo. and Prac. R.	
4	Therap. L.	Dermatology	Clin. Conf.	Therap. R.	Therap. L.	Syphilis after Ap. 15.

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CLINICAL ADVANTAGES.

The Medical department of the University is established in Boston, in order to secure those advantages for Clinical Instruction and for the study of Practical Anatomy which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital. — During the past year, 1,847 patients were treated in the wards, and 18,004 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students with the attending physicians and surgeons. The opportunities for becoming acquainted with general surgery are very great. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngoscopy, Electro-therapeutics.

The Hospital is adjacent to the Medical College, and its wards are open to the students on four days in the week.

The City Hospital. — During the past year, 4,334 cases were treated in its wards, and 9,658 in its various out-patient departments. The Medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds, are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. These include general surgical, and also ophthalmic operations. Diseases of the eye, the ear, and the skin are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons twice a week.

In these two Hospitals the facilities for witnessing Operative Surgery are unsurpassed. Twice a week in the first half-year, and three times a week in the second half-year, operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Massachusetts Charitable Eye and Ear Infirmary. — The eight thousand patients annually treated at this institution present every variety of disease of the ear and eye, and supply a large number of operations.

The Marine Hospital at Chelsea receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries, and of distant parts of the United States. Many cases of venereal disease in its various forms are treated annually.

The Boston Dispensary. — Forty-one thousand patients were treated at this Public Charity during the past year. Students have excellent opportunities to see minor surgery, and many of the diseases of children, and to practise auscultation and percussion.

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Hospital Appointments. — Twenty or more students are selected annually for House Officers of the various Hospitals. Appointments to the Boston Lying-in Hospital are for a term of four months.

EXAMINATIONS.

The regular examinations are held in the following order: —

At the end of the first year: Anatomy, Physiology, and General Chemistry.*

At the end of the second year: Medical Chemistry, Materia Medica, and Pathological Anatomy.

At the end of the third year: Therapeutics, Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, and Clinical Surgery.

The regular examinations are held at the end of each year in June; and a week before the opening of the School in September, on the studies of the preceding year.†

No student shall be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. No student shall be allowed to present himself for examination in any branch, without notifying the Dean by letter that he intends to do so, one month before the time when the examination is to be held.

The examinations are conducted mainly in writing. No student will receive his degree until he has passed a satisfactory examination in all the above-mentioned subjects, and presented a certificate from the Demonstrator of Anatomy that he has satisfactorily dissected the three parts of the body. Those who fail in any subject may present themselves in that subject again, at the next regular examination. The regular examinations for the year 1878–79 will begin June 9th and September 22d.

The examinations for admission are held at the Medical School in June and September, on the Monday preceding the last Wednesday in those months, at 10 A.M.

DIVISION OF STUDENTS.

Students are divided into three classes, according to their time of study and proficiency.

Students may be admitted to advanced standing in the regular course; but all who apply for admission into the second or third year's class must pass an examination at the beginning of the year in the branches already pursued by the class to which they seek admission, and furnish a satisfactory ‡ certificate of time spent in medical studies. No student shall advance with his class, or be admitted to advanced standing, until he has

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* See foot-note on page 149.

† The June examination is for those only who are members of the School at the time, and for those entitled to apply for the degree.

‡ Certificates from teachers who practise any peculiar or exclusive system of medicine are not accepted.

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passed the required examination in the studies of the year, or a majority of them; nor shall he become a member of the third class until he has passed all the examinations of the first, in addition to a majority of those of the second, year.

Students who do not intend to offer themselves for a degree will, however, be received for any portion of the course.

Any student may obtain, without an examination, a certificate of his period of connection with the School.

REQUIREMENTS FOR A DEGREE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied medicine three full years; have spent at least one continuous year at this School; have presented a satisfactory thesis; and have passed the required examinations.

Theses of conspicuous merit are mentioned with honor, or read, at the University Commencement.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts, and who pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine.

LIBRARIES.

The library at the Medical College is open to the student on the deposit of five dollars, to be refunded to him when he may desire, after returning all books.

The College Library at Cambridge is open to the students of the Medical School.

The Boston Public Library, which contains a large collection of medical books, may also be used by students recommended by the Dean.

BOYLSTON MEDICAL SOCIETY.

This society, composed of medical students, meets at stated intervals for the discussion of medical topics, and is presided over by a physician selected by the members. Prizes, in money or books, are awarded annually to the writers of essays judged worthy of such distinction by a committee of physicians selected for that purpose by the society.

FEES AND EXPENSES.

For matriculation, five dollars; for a year, two hundred dollars (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, one hundred and twenty dollars; for graduation, thirty dollars. Of students who do not pay in advance, a bond for $300, executed by two sufficient bondsmen, one of whom must be a citizen of Massachusetts, is required. A copy of such bond will be sent on application to the Secretary of the Faculty. To

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students depositing these bonds, term-bills will be presented at the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students shall be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have subsequently received their bond from the Treasurer. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor of the Medical College will always have a list of boarding-houses in the vicinity of the college building, varying in their rates of charges from five to ten dollars a week.

PECUNIARY AID.

Four yearly scholarships have been established, of the value of $200 each, open to meritorious students who have been at the School for one or two years. Only those needing assistance are expected to apply, and from such those holding the highest rank will have the preference.

Laboratory assistants to the Professors of Physiology and Chemistry are annually appointed from such deserving students as need aid. Students holding these positions are exempt from the payment of the fee for tuition during their term of service.

Students on joining the school must enter their names with the Secretary of the Faculty.

COURSE OF STUDY FOR GRADUATES.

For the purpose of affording to those who are already graduates in medicine additional facilities for pursuing clinical, laboratory, and other studies, for which they had not previously found leisure, in such subjects as may specially interest them, and as a substitute in part for the opportunities heretofore sought for in Europe, the Faculty have established a post-graduate course, of which the following is a programme. The fee in each branch is for a single half-year.

Histology. — The various methods of examining the different tissues are employed, and opportunities for original research are offered. Fee twenty dollars.

Physiology. — Opportunities for original investigation in the Physiological laboratory. Fee thirty dollars.

Medical Chemistry. — Practical instruction in the Chemical laboratory in the analysis of the urine and other animal fluids in health and disease, and of poisons; examination of blood-stains and other objects connected with medico-legal investigations, with the application of the microscope to these processes. General analysis, also, if desired. Laboratory fee thirty dollars.

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Pathological Anatomy. — Practical instruction in Pathological Histology and the examination of specimens in the Microscopical laboratory; and opportunity for witnessing and making autopsies. Fee twenty dollars.

Surgery. — A practical course of operative surgery, and instruction in the application of bandages and apparatus. Fee twenty-five dollars.

Auscultation, Percussion, and Laryngoscopy practically taught, and diseases of the larynx demonstrated by the aid of the oxyhydrogen light. Fee twenty dollars.

Ophthalmology. — Clinical instruction, lectures on diseases of the eye, and demonstrations of the methods of performing operations. Exercises in the use of the ophthalmoscope. Fee twenty-five dollars.

Otology. — Lectures and clinical instruction on diseases of the ear. Fee fifteen dollars.

Dermatology. — Clinical instruction in diseases of the skin, illustrated by patients in this department of the Massachusetts General Hospital Lectures. Fee twenty-five dollars.

Syphilis. — Clinical instruction at the Boston Dispensary, and at the City Hospital (second half-year). Fee fifteen dollars.

Diseases of the Nervous System. — Practical illustrations of the application of various forms of electricity. Lectures. Fee fifteen dollars.

Gynæcology. — Clinical instruction in diseases of women. Fee ten dollars.

Obstetrics. — Cases supplied. A course of operative obstetrics. Fee twenty dollars.

Those pursuing this course may elect the studies to which they will give their attention, and allot the time they will devote to each. They will be exempt, unless at their option, from examinations, and may obtain a certificate of attendance on this course of advanced study. On payment of the full fee for the course, they will have the privilege of attending any of the other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

Graduates of other medical schools may obtain the degree of M.D. at this University after a year's study in the graduates' course. The required examinations may be passed in such order as is desired, but only at the stated seasons.

The fee for a year is	$200
" for a half-year	120

For any of the special courses, such fees as are above specified.

For further information or catalogues, address DR. R. H. FITZ, *Secretary*, 108 Boylston Street, Boston, Mass.

☞ The Medical College is on North Grove Street, Boston.

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THE DENTAL SCHOOL.

BOSTON.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

THOMAS H. CHANDLER, D.M.D., *Dean and Professor of Mechanical Dentistry.*

OLIVER W. HOLMES, M.D., *Professor of Anatomy.*

HENRY J. BIGELOW, M.D., *Professor of Surgery.*

——— ———, *Professor of Dental Pathology and Therapeutics.*

GEORGE T. MOFFATT, M.D., D.M.D., *Professor of Operative Dentistry.*

HENRY P. BOWDITCH, M.D., *Professor of Physiology.*

CHARLES B. PORTER, M.D., *Demonstrator of Practical Anatomy.*

LUTHER D. SHEPARD, D.D.S., *Adjunct Professor of Operative Dentistry.*

NATHANIEL W. HAWES, *Assistant Professor of Operative Dentistry.*

EDWARD S. WOOD, M.D., *Professor of Chemistry.*

CHARLES A. BRACKETT, D.M.D., *Instructor in Dental Therapeutics.*

ARTHUR TRACY CABOT, M.D., *Instructor in Oral Pathology and Surgery.*

OTHER INSTRUCTORS.

EDWIN PERLEY BRADBURY, D.M.D., *Instructor in Operative Dentistry.*

FREDERIC MILLER ROBINSON, D.M.D., *Instructor in Operative Dentistry.*

GEORGE FRANKLIN GRANT, D.M.D., *Demonstrator of Mechanical Dentistry.*

HENRY FRANCIS DUNKEL, D.M.D., *Demonstrator of Operative Dentistry.*

STUDENTS.

First Year.

Browne, Frank Fairbanks,	*Dedham.*
Mason, John Scott,	*Saco, Me.*
McHugh, Edward James,	*Boston.*
Reilly, James Alfred,	*Lowell.*
Smith, Otis Franklin,	*Boston.*
Whiteside, George Henry Whittaker,	*Lowell.*

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Second Year.

Colgan, Albert James,	*Boston.*
Lewis, Arthur Ernestine,	*Plymouth.*
Niles, Edward Samuel,	*Northampton.*
Pond, Virgil Clarence,	*Foxboro'.*
Smith, John William,	*So. Ackworth, N.H.*

Third Year.

Banfield, Frederic Eugene,	*Boston.*
Gillingham, Thomas Clarence,	*Boston.*

The Dental Department of the University is established in BOSTON, in order to secure in connection with the Medical Department those advantages for Clinical Instruction which are found only in large cities.

Instruction in this school is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. There is a recess beginning December 23d, and ending January 2d; and a spring recess, beginning on the Wednesday before Fast Day, and ending on the following Tuesday. The course of instruction is progressive, and extends over two years, the teaching of one year not being repeated in the next.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and, for this purpose, a well-appointed laboratory and infirmary are provided, and such arrangements made as insure an ample supply of patients. Clinical Instruction is given by the professors; and, under the direction of demonstrators, patients are assigned to the students, insuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

The Infirmary, which is a department of the Massachusetts General Hospital, remains open, and the Demonstrator is in attendance, daily, throughout the year, offering to students unsurpassed facilities for acquiring practical knowledge and manipulative dexterity. Eight thousand operations have been performed upon seven thousand patients the past year.

Students have access to the hospitals of the city; to the dissecting-room, library, and museum of the Medical College; and also, *without additional charge, to the instruction given in any other department of the University, with the exception of exercises carried on in the special laboratories.*

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COURSE OF INSTRUCTION.

The following are the methods of study adopted in the various departments: —

Anatomy. — Lectures, largely illustrated by the anatomical preparations and models of the Warren Museum, and by an extensive series of colored drawings and diagrams; various practical exercises, including abundant dissection under the direction of the Demonstrator; recitations from text-books; histology.

Physiology. — Lectures, recitations, and practical demonstrations in the laboratory. A new physiological laboratory has been fitted up, which is under the supervision of an able teacher, who devotes his whole time to this department.

Chemistry is taught mainly by practical work in the laboratory, the student having his own desk and apparatus. General chemistry and qualitative analysis are taught during the first year. Beside the laboratory work, there is a lecture and recitation every week.

Oral Surgery. — Lectures and recitations illustrated by colored drawings and by recent and morbid specimens. All approved instruments and apparatus are exhibited and explained. Operations are performed on the living subject at the hospitals, and upon the dead body.

Instruction in clinical surgery is given at the Massachusetts General Hospital and City Hospital every week.

Surgical Pathology. — Lectures and recitations embracing the subjects of shock, inflammation, repair, suppuration, ulceration, mortification, embolism, pyæmia, erysipelas, and tetanus.

Operative Dentistry. — The instruction in this department is both didactic and practical. The professor and assistants endeavor to demonstrate all known methods of performing operations upon the teeth and other tissues involved.

The treatment of irregularities, origin and treatment of decay, materials used for filling teeth, the most improved instruments used in operating, &c., are appropriately treated of. Clinics are held at the Infirmary, and every available means used to make the student practically acquainted with all the modern improvements of this important branch of dental science.

Oral Pathology and Surgery. — Lectures and recitations upon the anatomy and surgical pathology of the tissues in and about the mouth. Material furnished for the examination of the tissues in a healthy and diseased condition, with instruction in its preparation.

Dental Therapeutics. — The instruction from this chair embraces the application of the general principles of medicine to the specialty of dentistry, with a consideration of sensitive dentine, caries, pulpitis, periodon-

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titis, alveolar abscess, gingivitis, necrosis, and other diseased conditions of the dental and contiguous tissues, with reference to their treatment and the therapeutical agents used therefor.

Mechanical Dentistry. — Lectures and practical work in the laboratory; the manner in which mineral teeth are constructed, the principles and method of carving and furnace-work, and all compounds used for artificial teeth; also, metallurgy, and the manner in which gold and silver plates are prepared and adapted to the mouth; the use of rubber and other articles as bases. It is the aim to teach not only the mere mechanical processes of dentistry, but that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, where they have been lost or impaired by accident or disease.

EXAMINATIONS.

The examinations will be held in the following order, viz.: —

At the end of the first year in the studies of that year, anatomy, including dissection, physiology, and general chemistry. A certificate from the Demonstrator of Anatomy will be required of each student, that he has satisfactorily dissected the three parts of the body.

At the end of the second year in the studies of that year, viz., dental pathology, including a knowledge of gestation and diseases of women, so far as they affect the mouth and throat, dental materia medica and therapeutics, oral surgery and surgical pathology, operative and mechanical dentistry. The examinations in operative and mechanical dentistry will include actual operations, and the preparation of specimens of mechanical dentistry.

REQUISITIONS FOR THE DEGREE.

The degree of Doctor of Dental Medicine (*Dentariæ Medicinæ Doctor*) may be conferred upon each candidate of adult age, and of good moral character; who must give evidence of having studied medicine or dentistry three full years, at least one continuous year of which must have been spent at this School. He must also have presented a satisfactory thesis, passed *all the required examinations*, and convinced the Professors of Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his art.

He must also deposit with the Dean, to be placed in the Museum of the College, a specimen of mechanical dentistry, or of practical or pathological anatomy, prepared during the course under the eye of the instructor.

Students may be admitted to advanced standing upon passing a satisfactory examination in a majority of the studies already pursued by the

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class; but no student shall advance with his class, or be admitted to advanced standing, until he has passed such examination, neither does admission to advanced standing diminish the time (three years) to be spent in professional studies.

The regular examinations are held at the end of each year in June; and for advanced standing, on the studies of the preceding year, a week before the opening of the School in September.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. Students intending to present themselves for examination must notify the Dean by letter of such intention, two weeks before the time when the examination is to be held.

The examinations are conducted in writing. No student will receive his degree until he has passed a satisfactory examination in all the above-mentioned subjects, and presented a certificate from the Demonstrator of Anatomy that he has satisfactorily dissected the three parts of the body. Those who fail in any subject may present themselves in that subject again at the next regular examination. The regular examinations for the year 1878–79 will begin June 9 and September 22.

The work in the operative and mechanical infirmaries will go on throughout the course; but no student will be permitted to operate at the chair until he has by observation and practice on extracted teeth satisfied the professor of his fitness.

The Faculty recommend young men who propose to take the degree to spend the whole of the required term of three years of study in the School. But those who wish to spend but two of the three years in the School are earnestly advised to pass their first year of study, before entering, under the direction of a *competent* private instructor.

LIBRARIES.

The Library at the Medical College is open to the student on the deposit of five dollars, to be refunded to him upon returning all books.

The College Library, at Cambridge, is open to students.

The Boston Public Library is also open to all students.

FEES.

There are no fees for matriculation, for the diploma, nor for the demonstrators. For the first year a student is a member of the School, the fee shall be $200, in two payments of $120 and $80, at the beginning of each term; for the second year, $150, in two payments of $100 and $50, at the beginning of each term; for any subsequent year, $50, payable at the beginning of the year.

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Of students *who do not pay in advance*, a bond for $300 executed by two sufficient bondsmen, one of whom must be a citizen of Massachusetts, is required. A copy of such bond will be sent, on application to the Dean of the Faculty. To students depositing these bonds, term-bills will be presented a week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students shall be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have received their bond from the Treasurer. *No degree can be conferred till all dues to the School are discharged.*

The student's expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor will advise students in the selection of boarding places, and will always have a list of such as are in the vicinity of the college buildings, varying in their rates of charges.

Students, on joining the School, must enter their names with the Dean of the Faculty.

TEXT-BOOKS.

Gray's or Quain's Anatomy.
Dalton's Physiology (6th edition).
Thorpe's Chemistry.
Clowes's Qualitative Analysis.
Bryant's Surgery.
Billroth's Surgical Pathology.
Taft's Operative Dentistry.
Richardson's Mechanical Dentistry.
Harris's Principles and Practice.
Wedl's Pathology of the Teeth.
Tomes's Dental Surgery.
Garretson's Oral Surgery.
Dunglison's Medical Dictionary.
Carpenter's Principles of Human Physiology.

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DAILY ORDER OF EXERCISES — First Year, First Term, 1878–79.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories
10	Laboratories	Chemistry, L. or R. 1st 10 wk's.	Laboratories	Laboratories	Chem. R.	Phys. R.
11	Physiology, L.	Physiology, L.	Chemistry, L.	Laboratories	Physiology, L.	Operations. M. G. H.
12	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	Museum.
1	Anatomy, L.	Anatomy, L.	Anatomy, L. or R.	Anatomy, L.	Anatomy, R.	
5	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	

The Assistant Demonstrator will be in the dissecting-room every day at 10 A.M., when not engaged with the Professor of Anatomy.
Chemistry daily in Chemical Laboratory.

DAILY ORDER OF EXERCISES — Second Year, First Term, 1878–79.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	M. Dent. L.	Oral Path. L.	Laboratories	Laboratories	Laboratories	Laboratories
10	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	
10½				Every other week Dent. Ther.		
11	Laboratories	Laboratories	Surg. Path. L., or Surg. L.		Operations. B. C. Hosp.	Operations. M. G. H.
12	Laboratories	Surg. Path. L.	Laboratories	Laboratories	Laboratories	
1						
2	Infirmary.	Infirmary.	Infirmary.	Infirmary.	Infirmary.	
4	Op. Dent. L. or Clinic.	Op. Dent. L. or Clinic.	Op. Dent. L. or Clinic.	Op. Dent. L. or Clinic.	Op. Dent. L. or Clinic.	

The Demonstrator will be present in the Laboratory every forenoon, and in the Infirmary every afternoon.

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THE BUSSEY INSTITUTION,

JAMAICA PLAIN.

A SCHOOL OF AGRICULTURE AND HORTICULTURE.

INSTRUCTORS.

THOMAS MOTLEY, A.M., *Instructor in Farming.*
DANIEL D. SLADE, M.D., *Professor of Applied Zoölogy.*
FRANCIS H. STORER, A.M., *Dean, and Professor of Agricultural Chemistry.*
——— ———, *Instructor in Entomology.*
GEORGE L. GOODALE, M.D., *Professor of Vegetable Physiology.*
WILLIAM G. FARLOW, M.D., *Assistant Professor of Botany.*
BENJAMIN M. WATSON, Jr., A.B., *Instructor in Horticulture.*

STUDENTS.

NAME.	RESIDENCE.	ROOM.
Cheever, Clarence Alonzo,	*Wrentham,*	Jamaica Plain.
Ford, Lester Sackett,	*Washington, Conn.,*	Jamaica Plain.
Taylor, John Henry,	*Bay Side, L.I.,*	Jamaica Plain.
Ware, Francis Morgan,	*Boston,*	Boston.

The School of Agriculture and Horticulture, established in execution of the Trusts created by the will of Benjamin Bussey, gives systematic instruction in Agriculture, Useful and Ornamental Gardening, and Stock Raising. It is intended for the following classes of persons: —

1. Young men who intend to become practical farmers, gardeners, florists, or landscape gardeners.

2. Young men who will naturally be called upon to manage large estates, or who would make, when thoroughly trained, good stewards or overseers of gentlemen's estates.

3. Persons who wish to familiarize themselves with some special branch of agriculture, horticulture, botany, or applied zoölogy.

The Bussey Institution is situated near the village of Jamaica Plain, about five miles south-west of the centre of Boston, and close to the Forest Hills station, on the Boston and Providence Railroad. Students may live either in the immediate vicinity of the School, or in Boston proper, or in some one of the neighboring villages upon the line of the railroad.

The academic year begins on the Thursday following the last Wednes-

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day in September, and ends on the last Wednesday in June, with a recess from December 23d to January 2d, inclusive, and a spring recess from the Wednesday before Fast Day to the following Tuesday, inclusive.

INSTRUCTION.

Theory of Farming . . . . . MR. MOTLEY.

Selection of farms for special purposes. Division into fields for different crops. How manures and composts are prepared and kept. Seeding for hay, grain, and root crops. Selection of cows and other stock for farm purposes, with general directions for breeding the same. Farm accounts.

Agricultural Chemistry . . . . . PROF. STORER.

Soil, air, and water in their relations to the plant. The food of plants; — manures, general and special. Chemical principles of tillage, irrigation, systems of rotation, and of special crops and farms. The food of animals; simple and mixed rations. Discussion of the values of different kinds of fodders, of the means of determining fodder values, and of the methods of using fodders to the best advantage.

Applied Zoölogy . . . . . PROF. SLADE.

The anatomy and physiology of domestic animals. Their diseases and the curative treatment. Their general management in health and in disease. The lectures and recitations are elucidated by recent dissections, and by the exhibition of pathological specimens. Opportunities are also offered for practical dissection.

Phænogamic Botany . . . . . Prof. GOODALE.

Part I. Principles of Vegetable Morphology, illustrated by the flowering plants of the Garden and the Farm, including practice in botanical analysis. Part II. Principles of Vegetable Physiology which underlie horticultural and agricultural operations. Part III. Economic Botany. History of our cultivated plants.

Cryptogamic Botany . . . . . Prof. FARLOW.

Rudiments of Vegetable Histology with special reference to the microscopic study of woods. Elements of Cryptogamic Botany. Fungi, especially those injurious to vegetation. — Special investigations of the diseases of plants will be pursued, and, so far as possible, answers will be given to inquiries on this subject from any part of the country, provided they be accompanied with suitable material for examination.

Horticulture . . . . . Mr. WATSON.

Preparation of soils for horticultural and floricultural purposes. Management of plants, including methods of propagation. Horticultural implements. Methods of obtaining new varieties of vegetables, fruits, and flowers. Arrangement and care of flower and kitchen

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gardens, nurseries, and orchards. The construction and care of hotbeds and greenhouses. Principles of landscape gardening.

Entomology * . . . . . .

Habits or economy, anatomy, and transformations of insects; their embryonic development, and their relations to the surrounding world. Means of controlling or keeping in check the increase of injurious species. Systems of classification. Collection and preservation of specimens.

Quantitative Analysis (for students who have had laboratory practice in qualitative analysis) . . . . . Prof. STORER.

Laboratory practice. Methods of analyzing rocks, manures, plants, milk, &c., and of investigating problems in agricultural chemistry.

Instruction is given by lectures and recitations, and by practical exercises in the laboratories; every student being taught to observe phenomena, to make experiments, and to study specimens for himself. The aim of the teachers is to give the student a just idea of the principles upon which the arts of agriculture and horticulture depend; to teach him how to make intelligent use of the stores of scientific literature which relate to these arts; and to enable him to put a proper estimate upon those kinds of evidence which are obtained by experiments and by the observation of natural objects. Examinations are held statedly to test the student's proficiency.

The courses above described are given in one year, so that they may be profitably pursued by young men of ability and judgment who cannot afford to spare much time for advanced study.

REQUISITIONS FOR ADMISSION AND GRADUATION.

Candidates for admission must be at least seventeen years of age, and must present testimonials of good moral character. No formal examination will be required of them; but each student must satisfy the instructors of his ability and of his intention to profit by the teachings of the School. Young men who may feel unprepared to pursue the foregoing courses of instruction can pass one year at the Lawrence Scientific School, in Cambridge, which provides elementary courses of instruction in Chemistry, Physics, Biology, Physical Geography, Geology, Meteorology, Drawing, French, and German.

Candidates for the degree of the Bussey Institution in Agriculture or Horticulture must take this preliminary course of one year at the Lawrence Scientific School, or prove by examinations that they possess an equivalent amount of knowledge. They must, furthermore, on completion of the stated courses above described, devote a year to advanced study at the Bussey Institution, and to practical research in Agriculture or Horticulture, or in Botany, Anatomy, or Chemistry as applied to those arts;

* This instructorship is vacant at present.

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and must satisfy the instructors, by passing examinations, that they have acquired a thorough knowledge of the subjects taught at the School.

Candidates for a degree are expected to pursue with equal diligence all the subjects above described; but the advanced studies of the final year may be varied, at the discretion of the instructors, in accordance with the student's aims and purposes.

Students who are not candidates for a degree may, upon producing certificates of good moral character, join the School at any time, without examination, to pursue any special course or courses of instruction which they are qualified to pursue with advantage. Students interested in tree culture have the opportunity of seeing the raising of trees in great variety for the Arnold Arboretum.

BOND OR DEPOSIT.

Every student, when admitted, must give a bond, in the sum of $200, to pay all charges accruing under the laws and customs of the University. The bond must be executed by two bondsmen, who must be satisfactory to the Treasurer, and one of whom must be a citizen of Massachusetts. Instead of filing a bond, a student may pay his tuition-fee for the year in advance, and deposit such a sum of money, not exceeding $50, as may be deemed sufficient to secure the payment of other school dues. Special students will pay the tuition-fees in advance at the Treasurer's office, No. 70 Water Street, Boston, or to Prof. F. H. Storer, Dean, at the Bussey Institution.

FEES AND EXPENSES.

The regular fee for the academic year will be $150; for half or any less fraction of a year, $75; for any fraction of a year greater than one-half, the fee for the whole year will be charged. The fee for any special course of instruction is $40 for the year, excepting laboratory instruction in Quantitative Analysis (including the course on Agricultural Chemistry), for which the fee will be $150 for the year.

The tuition-fees will be freely remitted to poor and meritorious students.

The other expenses of a student for an academic year may be estimated as follows: —

Room	$30.00 to $100.00
Board for 38 weeks	133.00 to 304.00
Text-Books	20.00 to 25.00
Fuel and Lights	25.00 to 35.00
Washing	19.00 to 38.00
	$227.00 to $502.00

For further information, address Prof. F. H. Storer, Jamaica Plain, Mass.

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GRADUATE DEPARTMENT.

COURSES OF INSTRUCTION FOR BACHELORS OF ARTS.

The following courses of study have been arranged with special reference to Graduates. Besides these, all the elective courses offered to Undergraduates are open to Graduates. No Undergraduate is allowed to take any Graduate course except by vote of the Faculty on the recommendation of the Instructors in the department of study to which the course belongs.

Any Graduate course which is taken by less than three students may be withdrawn at the option of the Instructor.

HEBREW.

1. Lectures on the Hebrew Language and Literature. *Once a week.* PROF. YOUNG.

SANSKRIT.

2. Comparative Grammar of Sanskrit, Greek, and Latin. *Three times a week.* ASST. PROF. GREENOUGH.

CLASSICAL PHILOLOGY.

3. Homeric Philology. — Iliad, Books II. and III. *Twice a week.* ASST. PROF. ANDERSON.

4. The Legal Antiquities of Athens, illustrated by the Orators and Grammarians. *Twice a week.* PROF. GOODWIN.

5. Ecclesiastical Greek (Justin and Hippolytus). — Lectures on the Early Christian Sects. *Twice a week.* PROF. SOPHOCLES.

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6. Pindar. *Twice a week.* PROF. SOPHOCLES.

7. Virgil, Georgics. *Twice a week (first half-year).* ASST. PROF. SMITH.

8. Cicero, De Oratore and one Oration. *Twice a week (second half-year).* ASST. PROF. GREENOUGH.

9. Roman Antiquities. *Once a week.* ASST. PROF. SMITH.

10. Latin Inscriptions, Orthography, and Pronunciation. *Once a week.* PROF. LANE.

MODERN LANGUAGES.

11. Anglo-Saxon. — Grein's Bibliothek der angelsächsischen Poesie. *Once a week.* PROF. CHILD.

12. Introduction to Germanic Philology. — Gothic and Old High German. *Twice a week.* MR. SHELDON.

13. Middle High German. — Die Minnesinger und das Nibelungenlied. *Once a week.* ASST. PROF. BARTLETT.

14. Kant's Kritik der Urtheilskraft. — Fichte's Wesen des Gelehrten. — Schelling, Selections from the 5th, 6th, and 7th vols. of his Complete Works. — Hegel's or Jean Paul's Aesthetik. *Once a week.* PROF. HEDGE.

15. The Interpretation of the Divina Commedia, by means of Dante's Prose Works and the Commentators of the 14th century. *Once a week.* PROF. NORTON.

16. The Comparative Philology of the Romance Languages. *Once a week.* PROF. BÔCHER.

PHILOSOPHY.

17. Logic. — Jevons's Principles of Science. — De Morgan's Formal Logic. *Twice a week.* PROF. PEABODY.

18. PROF. BOWEN will meet Graduate students in Philosophy *twice a week*, in order to give directions or lectures upon the proper method of studying the History of Philosophy and upon the aids that can be obtained for such study.

19. Principles and Method of Philosophy. — Everett's Science of Thought. *Once a week.* PROF. EVERETT.

20. Physiological Psychology. *Twice a week.* ASST. PROF. JAMES.

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HISTORY.

21. Practice in the Study of Historical Sources. Subject for 1878–79: Church and State in Germany, 1056–1122. *Once a week (two hours).* DR. EMERTON.

22. Growth of the Royal Power in France. PROF. GURNEY.

23. History of Modern Treaties; Elements of Public International Law. *Three times a week.* PROF. TORREY.

ROMAN LAW.

24. Institutes of Gaius and of Justinian. *Three times a week.* PROF. GURNEY.

MATHEMATICS.

25. Elements of Higher Algebra. *Three times a week.* PROF. J. M. PEIRCE.

26. The Theory of Numbers. *Three times a week.* PROF. B. PEIRCE.

PHYSICS.

27. Practical Astronomy (with permission to make use, under suitable restrictions, of the instruments of the Observatory). — Determination of time. — Use of the transit and sextant. — Determination of latitude by the zenith telescope and equivalent instruments. Telegraphic determination of longitudes. *Two hours a week.* MR. WILLSON.

The regularity of the exercises in No. 27 will be somewhat dependent on the weather.

28. Experimental Physics, with Laboratory Work, for advanced students. *Three times a week.* ASST. PROF. TROWBRIDGE.

29. Mathematical Physics (Maxwell's Electricity and Magnetism). *Three times a week.* ASST. PROF. TROWBRIDGE.

CHEMISTRY.

30. Large facilities are offered at the Laboratories of Boylston Hall to advanced students in Chemistry, who will be directed by the Professors in whatever special studies or investigations they may desire to undertake.

1. Inorganic Chemistry. PROF. COOKE.
2. Mineralogy and Physics of Crystals. PROF. COOKE.
3. Organic Chemistry. ASST. PROFS. HILL and JACKSON.

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NATURAL HISTORY.

31. General Entomology (with Laboratory Work). *Twice a week.* PROF. HAGEN.

32. Advanced Morphology and Histology of Phanerogams. *Three times a week.* PROF. GOODALE.

33. Experimental Vegetable Physiology. *Twice a week.* PROF. GOODALE.

34. Anatomy and Development of Higher Cryptogams. *Twice or three times a week (first half-year).* ASST. PROF. FARLOW.

35. Anatomy and Development of Fungi and Algae. *Twice or three times a week (second half-year).* ASST. PROF. FARLOW.

36. Geology and Palæontology. — A full course of instruction in Geology and Palæontology will be given, under the direction of Professors WHITNEY and SHALER, at the Museum of Comparative Zoölogy, by the Professors and Instructors in that Department. The times and lengths of the different courses will be arranged to suit the convenience of the teachers and the wants of the students.

The course includes the following branches: —

1. Lithology.
2. Dynamical Geology.
3. Palæontology.
4. Historical Geology.
5. Geological Field-Work.
6. Economical Geology.

MUSIC.

37. Canon and Fugue. *Twice a week.* PROF. PAINE.

38. Free Thematic Music. — Forms of Modern Instrumental Music. *Twice a week.* PROF. PAINE.

CANDIDATES FOR THE DEGREE OF A.M.

NAME.	RESIDENCE.
Bailey, Hollis Russell, A.B. 1877, LL.B. 1878,	C. 17.
Bennett, William Zebina, A.B. 1878,	C. 34.
Bicknell, Edward, A.B. 1876, LL.B. 1878,	43 Somerset St., Boston.
Bigelow, Frank Hagar, A.B. 1878,	Episc. Theol. School.
Browne, George Henry, A.B. 1878,	C. 34.
Burbank, William Harry, A.B. 1876,	Episc. Theol. School.
Cushing, Arthur Percy, A.B. 1878,	115 Boylston St., Boston.
Denny, Arthur Briggs, A.B. 1877,	102 Mt. Auburn St.

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Gilman, James Ward, A.B. 1877,	Episc. Theol. School.
Harding, Emor Herbert, A.B. 1876, LL.B. 1878,	890 Main Street.
Hoar, Rockwood, A.B. 1876, LL.B. 1878,	H. 15.
Jackson, Ernest, A.B. 1878,	H'y 11.
Legate, Burton John, A.B. 1877,	Milton.
Marston, William Staples, A.B. 1874,	M. 47.
Richardson, Maurice Howe, A.B. 1878, M.D. 1877,	7 Charles St., Boston.
Stone, Charles Wellington, A.B. 1874,	25 Wendell Street.
Ware, Charles Eliot, A.B. 1876, LL.B. 1878,	H. 15.
Woodman, Edward, A.B. 1877,	9 Kirkland Place.

CANDIDATES FOR THE DEGREE OF Ph.D.

Bigelow, Melville Madison, A.B. (*Univ. of Mich.*) 1866,	*History*,	343 Broadway.
Campbell, William Taylor, A.B. 1875,	*Philology*,	Quincy.
Channing, Edward Perkins, A.B. 1878,	*History*,	S. 1.
Choate, Isaac Bassett, A.B. (*Bowdoin Coll.*) 1862,	*Philology*,	18 Avon Street.
Dimmock, George, A.B. 1877,	*Natural History*,	Sacramento Place.
Dyer, Louis, A.B. 1874,	*Philology*,	6 Little's Block.
Lord, Edwin Howard, A.B. (*Bowdoin Coll.*) 1871,	*Physics*,	Lowell.
Marcou, Philippe Belknap, A.B. 1876,	*Political Science*,	26 Garden Street.
Melville, William Harlow, A.B. 1876,	*Physics*,	S. 21.
Peirce, Benjamin Osgood, A.B. 1876,	*Mathematics*,	Leipzig, Germany.
Phillips, Edward Emerson, A.B. 1878,	*Philology*,	19 Little's Block.
Piper, William Taggard, A.B. 1874,	*Philology*,	22 Concord Avenue.
Ross, Denman Waldo, A.B. 1875,	*History*,	24 Craigie St.
Seward, Josiah Lafayette, A.B. 1868, D.B. 1874,	*History*,	Lowell.
Stearns, George Hermon, A.B. 1878,	*Philology*,	8 Garden St.
Turner, Samuel Epes, A.B. 1869,	*History*,	Baltimore, Md.
Wadsworth, Marshman Edward, A.M. 1874,	*Natural History*,	44 Langdon St.
White, Horatio Stevens, A.B. 1873,	*Philology*,	Ithaca, N.Y.

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CANDIDATE FOR THE DEGREE OF S.D.

Waldo, Leonard, S.B. (*Marietta Coll.*) 1872, *Theoretical and Practical Astronomy*, 8 Madison St.

HOLDERS OF FELLOWSHIPS.

Harris Fellowship.

Henry Theophilus Finck, A.B. 1876.

Graduates' Scholarship.

Freeman Snow, PH.D. 1877.

Parker Fellowships.

James Greenleaf Croswell, A.B. 1873.
Benjamin Osgood Peirce, A.B. 1876.
John Henry Wheeler, A.M. 1875.
Ernest Young, PH.D. 1876.

Kirkland Fellowship.

Oscar Roland Jackson, A.B. 1876.

RESIDENT GRADUATES NOT CANDIDATES FOR A DEGREE.

Clark, Thomas Harvey, A.B. (*Howard Coll.*), *Ala.*, 13 Kirkland Pl.
Flagg, Bernard Whitman, A.M., 10 Concord Ave.
Houghton, Edward Lovell, A.B. (*Tabor Coll.*), S.B. (*Tabor Coll.*), D. 10
Lovering, Edwin Nathaniel, A.B., Lexington.
Perrin, Marshall Livingston, A.M., M. 59.
Stuart, William Whitewright, M.A. (*Princeton Coll.*), LL.B. (*Columbia Law School*), 159 Brattle St.

CANDIDATES ADMITTED TO DEGREES AT COMMENCEMENT, 1878.

A.M.

John Henry Appleton, A.B. 1875, LL.B. 1877.
Henry Hall Buck, A.B. 1875, LL.B. 1877.
Arthur Tracy Cabot, A.B. 1872, M.D. 1875.

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Richard Tapper Cadbury, A.B. 1877.
Reginald Gray, A.B. 1875, LL.B. 1877.
Thomas Macauley, A.B. 1878.
William Reuben Richards, A.B. 1874, LL.B. 1877.
Albert Smith Thayer, A.B. 1875, LL.B. 1877.
Hollis Thayer, A.B. 1875, LL.B. 1877.
Samuel Dennis Warren, A.B. 1875, LL.B. 1877.
Harold Wheeler, A.B. 1877.
Harold Whiting, A.B. 1877.
Rufus Phillips Williams, A.B. (*Dartmouth Coll.*), 1876.

Ph.D.

Franklin Bartlett, A.B. 1869.
Department, History. *Subject*, European History. *Thesis*, "The Struggle for Land in Ireland under Elizabeth and the Stuarts."

Edward Raymond Benton, A.B. 1875.
Department, Natural History. *Subject*, Geology. *Thesis*, "The Richmond Boulder Trains."

Edward Asahel Birge, A.B. (*Williams Coll.*) 1873.
Department, Natural History. *Subject*, Zoölogy. *Thesis*, "On Crustacea Cladocera, collected at Cambridge, Mass., 1876, and at Madison, Wis., 1877."

Grenville Stanley Hall, A.B. (*Williams Coll.*) 1867.
Department, Philosophy. *Subject*, Psychology. *Thesis*, "The Perception of Space."

S.D.

Walter Faxon, A.B. 1871, S.B. 1872.
Department, Natural History. *Subjects*, Zoölogy and Embryology. *Thesis*, "The Development of Decapod Crustacea."

Byron David Halsted, S.B. (*Agr. Coll. of Mich.*) 1871.
Department, Natural History. *Subjects*, Botany and Agricultural Chemistry. *Thesis*, "The American Characeæ."

Charles Sedgwick Minot, S.B. (*Mass. Inst. of Technology*) 1872.
Department, Natural History. *Subjects*, Physiology and Anatomy. *Thesis*, "Physiology of Muscular Contraction."

THE DEGREES OF A.M., PH.D., AND S.D.

The degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science are conferred on candidates recommended for them by the Academic Council of the University.

The following are the *Standing Rules of the Corporation and Overseers* relating to these degrees: —

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1. The degrees of Master of Arts and Doctor of Philosophy are open to Bachelors of Arts of Harvard College, and to Bachelors of Arts of other colleges, who shall have satisfied the College Faculty by examination that the course of study for which they received the Bachelor's degree is equivalent to that for which the Bachelor's degree is given in Harvard College, or shall have passed such additional examinations as that Faculty may prescribe.

2. The degree of Doctor of Science is open to Bachelors of Science of Harvard University, and to Bachelors of Science and Bachelors of Philosophy of other institutions who shall have satisfied the Faculty of the Lawrence Scientific School, by examination, that the course of study for which they received the Bachelor's degree is equivalent to that for which the degree is given in Harvard University, or shall have passed such additional examinations as that Faculty may prescribe.

3. The Academic Council will recommend for the degree of Doctor of Philosophy candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue at Harvard University for two years a course of liberal study, approved by the Council, in any one of the following departments, — Philology, Philosophy, History, Political Science, Mathematics, Physics, Natural History, or Music, — shall pass a thorough examination on that course, and shall present a satisfactory thesis.

4. The Academic Council will recommend for the degree of Doctor of Science candidates, otherwise properly qualified, who, after taking their Bachelor's degree, shall reside at least two years at the University, and pursue during three years a course of scientific study embracing at least two subjects, and approved by the Council, and shall pass a thorough examination upon that course, showing in one of the subjects special attainments, and shall also make some contribution to science, or some special investigation, to be embodied in a thesis; provided, however, that a course of study of two years only shall suffice for candidates who are both Bachelors of Arts and Bachelors of Science of Harvard University.

5. The Academic Council will recommend for the degree of Master of Arts candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue for at least one year at the University a course of liberal study approved by the Council, and shall pass a thorough examination on that course.

6. The Academic Council will also recommend for the degree of Master of Arts candidates otherwise properly qualified, who shall pursue at the University for at least one year, after taking the degree of Bachelor of Laws, Bachelor of Divinity, or Doctor of Medicine in Harvard University, a course of study in Law, Theology, or Medicine, approved by the Council, and shall pass a thorough examination on that course.

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7. In special cases, the Academic Council is authorized to remit the requisition of residence at the University to Bachelors of Arts or Science of Harvard University.

8. The degree of Doctor of Philosophy carries with it that of Master of Arts; the full title of the degree being Doctor of Philosophy *and* Master of Arts.

The following are *Standing Rules of the Academic Council:* —

1. Stated meetings of the Academic Council shall be held on the third Wednesdays of October, December, February, and April, and on the Thursday before Commencement.

2. All applications for the degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science, shall be referred to the appropriate committees by the Secretary.

3. The committees have full power to approve proposed courses of study, and to decide all questions preliminary to the actual examinations; but applications for exemption from residence as a condition of obtaining the degree of Ph.D. shall be referred to the Council, with the advice of the appropriate committee in each case.

4. The examinations in the several departments for the degrees of A.M., Ph.D., and S.D., are confided to the several committees; and the committees have power, in conducting such examinations, to procure the assistance of Officers of instruction and government, not members of the Council.

5. A candidate for the degree of A.M., Ph.D., or S.D., must reckon his period of study for the degree from the time of his admission to candidacy, unless the Academic Council shall make a special exception in his case. But a candidate admitted at the October meeting of the Council may reckon his period of study from the beginning of the year. A year of candidacy for the degree of A.M. may be counted towards the degree of Ph.D., at the discretion of the Council.

6. A candidate for the degree of Ph.D. or S.D. is not expected to propose, at the outset of his candidacy, a detailed course of study to be pursued for the degree; but he shall name for the approval of his committee, with such fulness as the committee shall think requisite, the subjects to which he wishes to devote himself during the period of his candidacy; and, on presenting himself for the degree, he shall be liable to minute examination on the whole ground covered by such subjects, and shall be required to prove his general acquaintance with the department from which he has selected his subjects.

7. Every candidate for the degree of A.M., Ph.D., or S.D., is required to present to the chairman of his committee, on the *first day of June* of each year of his candidacy, a detailed written statement of the course of study which he has actually pursued during the year, and to furnish

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evidence satisfactory to the committee of the scope of his year's work. But the presentation of such evidence shall not relieve him from liability to examination on the whole ground of his studies at the time of his offering himself for his degree. Any candidate who fails to comply with this provision shall be regarded as having withdrawn from his candidacy. This regulation is not intended to prevent a candidate's prolonging his period of study.

8. The thesis presented by a candidate for the degree of Doctor of Philosophy or Doctor of Science must show an original treatment of the subject, or give evidence of independent research.

9. Every candidate for the degree of Ph.D. or S.D. is required to communicate to the chairman of his committee the title of his proposed thesis on or before the *first day of March* of the year in which he means to present himself for examination, and to hand to the chairman a fair copy of his thesis on or before the *first day of May;* and the chairman has power to reject a thesis not plainly written. No candidate shall be admitted to examination till his thesis has been approved by the committee as fulfilling the requisition of § 8; and on the approval of the thesis, and as early as the *first day of June*, the thesis shall be deposited at the President's Office, for the inspection of any member of the Academic Council, with a certificate of approval, signed by such members of the committee as the chairman shall have specially designated for its examination; and notice of the titles of all theses thus deposited shall be sent to every member of the Council.

10. A successful candidate for the degree of Ph.D. is allowed to print his thesis, as one accepted for the degree, with the certificate of approval and the signatures of the approving professors; and either a printed or a written copy of the thesis and the original certificate must be deposited in the Library, and must be open to public inspection.

11. The department in which the degree of Ph.D. or S.D. is conferred shall be named in the quinquennial catalogue; and the department and the branch of the department which the candidate offers as his specialty, and the title of his thesis, shall be named in the Commencement programme, and in the next following annual catalogue.

12. Any person on whom this University has conferred the degree of Ph.D. or S.D. shall be thereby recognized as qualified to give special private instruction to candidates for this degree in the department in which he has himself taken the degree.

13. The requisition of residence is not remitted to candidates for the degree of A.M. or Ph.D.; except that a candidate for the degree of Ph.D. may be exempted from one year of residence, if the Council see strong reason for such exemption.

14. Candidates for the degrees of A.M., Ph.D., and S.D. are liable to be called upon for examination as early as the *second Monday in May*, provided the requisitions of § 9 have been fulfilled.

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FEES AND BONDS.

The fees to be paid by Bachelors of Arts or Science who receive instruction as candidates for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science, or who attend lectures or recitations without being members of any professional school, are as follows: —

At the rate of $15 for one hour a week of instruction during the academic year, up to $150, the fees covering examinations and certificates; except that the fee for the examination for the degree of Doctor of Philosophy or Doctor of Science shall in all cases be $60, and for special examinations for the degree of Master of Arts the fee shall be $30, and every candidate for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science, whether resident or not, must pay at least the minimum fee of $30 a year to the University, unless he pays a fee as a member of a professional school.

For any laboratory course the fee will be $150 a year.

Students must pay the *full year's fee* for all the courses of instruction which they attend.

Any student paying the full fee of $150 in any department of the University is entitled to attend any instruction (but not laboratory courses) in any other department, without further payment.

The bills of students in the Graduate Department are payable in each year on January 12, April 5, and October 10; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the University, his whole bill becomes payable at once.

Graduates of the University, or other collegiate institutions, desirous of pursuing their studies at Cambridge without any guidance, may enjoy the use of the Library on the payment of five dollars a year; but residence on these terms will not be accepted as residence qualifying for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science.

All Bachelors of Arts, Science, or Philosophy, studying at the University, must give bonds in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of all dues to the University; but, instead of filing a bond, any student who prefers so to do, may pay his fees in advance, and deposit with the Bursar such a sum of money as may be deemed sufficient to secure payment of all other dues to the University.

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APPLICATIONS.

Any one who wishes to study for the degree of A.M., Ph.D., or S.D. must send a written application to be admitted as a candidate (with a statement of his qualifications) to Professor J. M. PEIRCE, *Secretary of the Academic Council.*

If the applicant is not qualified for candidacy by having received the degree of A.B. or S.B. from Harvard University, his request must first be referred to the College Faculty or to the Faculty of the Scientific School, under §§ 1, 2 of the *Standing Rules of the Corporation and Overseers.* Such requests are not granted, unless thoroughly satisfactory grounds are shown. In ordinary cases, the Faculties prefer to admit graduates of other institutions to advanced standing in the under-graduate courses, or, at any rate, to receive them as candidates for the higher degrees only after a suitable period of study at this University.

Every application for admission to candidacy for the degree of A.M. must contain a definite statement of the course of study proposed for the degree. The same fulness of detail is not expected of candidates for the degrees of Ph.D. and S.D. (see § 6 of the *Standing Rules of the Academic Council*). The course of study pursued for the degree of A.M. may be limited to one department of study, or may be miscellaneous in character; that pursued for the degree of Ph.D. must belong to *one* of the departments named in § 3 of the *Standing Rules of the Corporation and Overseers.* But the committees exercise their discretion in admitting courses which, without falling strictly within the limits of any one of those departments, still constitute connected fields of investigation and work, and can legitimately be referred to single departments. The degree of A.M. is conferred for a good year of study in fulfilment of a determinate programme. The doctorates are given, not for the mere reason of faithful study for a prescribed time or on a prescribed course, but on the ground of high attainment in a special subject, manifested not only by examinations, but by the performance of a masterly piece of work. Hence, candidates for the degrees of Ph.D and S.D., especially if they have not already acquired, at the outset, considerable knowledge in the branches of study which they pursue for the degrees, must often expect to continue their candidacy for longer periods than those required by the standing rules.

All applications must be in the hands of the Secretary at least one week before the meeting of the Council at which they are to be presented, in order that they may first be referred to the appropriate committees; and applications from graduates of other colleges must be received *two weeks* before the meeting of the Council. But no applications should be sent in during the vacation, which extends from the last Wednesday in June to the last Wednesday in September. Every

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application must state the *full name* of the applicant, the *dates* at which he attained the degrees he already holds, his *post-office* address, and (if he has already taken his residence near the University) the place of his *room* or *house;* and candidates are required to inform the Secretary of the Academic Council of any change in their address.

REGISTRATION.

Every candidate for the degree of A.M., Ph.D., or S.D., whether resident at the University or not, is required to give written notice to the Secretary of the Academic Council, before the first Wednesday in October in each year, of his purpose to continue or discontinue his candidacy, and, if he continues, to state his address. A candidate who omits this notice will be dropped from the list.

Every graduate student, whether a candidate for a degree or not, who wishes to attend instruction at the University, must obtain authority to do so, and register at No. 5, University Hall, at the beginning of the year.

Any candidate for the degree of A.M., Ph.D., or S.D., who withdraws from his candidacy, must give immediate notice of his withdrawal to the Secretary of the Academic Council and to the Bursar, and pay his dues to the University; and he will be chargeable with fees, till these notices have been given.

FELLOWSHIPS.

THE HARRIS FELLOWSHIP has an endowment of ten thousand dollars, the yearly income of which is to be applied under the following conditions established by the founder: —

"That this income be given to some Graduate of acknowledged excellence in one or more departments of literature or science (but not necessarily of the highest college rank), for one or more years; that the recipient satisfy the Corporation of his need of such aid, and his purpose to make the most of it; that residence at Cambridge be required, unless excused for substantial reasons, and that marriage be a disqualification; that studies for the professions of law, theology, or medicine, be excluded from the studies of the recipient; and that the Corporation be authorized to make such other restrictions and conditions as in its judgment will best secure from the recipient his entire devotion to accurate scholarship or the higher branches of science."

THE GRADUATES' SCHOLARSHIP has an endowment of twenty thousand dollars, the income of which is to be used in accordance with the following directions, given by the founder: —

". . . For the encouragement and attainment of a higher, broader, and more thorough scholarship than is required or expected of Undergraduates, in all sound literature and learning, except science strictly so called, ...

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"1. I direct that the Corporation, from time to time, shall select from the Senior Class the member whom, from his natural gifts, attainments, and general character, intellectual and moral, they, after consultation with the Faculty of the College, shall deem best fitted to attain the object contemplated by this donation, and shall offer to him from said income and profits an annual grant of money, upon the following conditions, viz.: —

"That he shall reside at Cambridge, and shall faithfully devote his time and thoughts to the pursuit of such branches and courses of study as he, with the approbation of the Corporation, may select. That, whilst a recipient of this grant, he shall engage in no studies designed to prepare him for a special profession, nor in any other business or occupation except that of a Proctor of the College; or an occasional examiner of some of the classes, at the request of the Corporation. That, from time to time, he shall be subject to be called upon to give such evidence of his fidelity and proficiency as the Corporation may require, and especially to write essays and dissertations upon such subjects, within the circle of his studies, as they shall designate; and these, when completed, shall be at their disposal.

"2. I direct that the grant shall be from year to year; and that the amount thereof, in the first instance, shall not exceed the sum of eight hundred dollars. . . ."

The original conditions have been recently (July, 1877) modified so that the Corporation may, at their discretion, appoint a graduate of longer standing than that above prescribed, and may permit the incumbent to reside abroad for the purposes of study.

PARKER FELLOWSHIPS. — Four Fellowships of the annual value of $800 each have been created from the income of the bequest of John Parker, Jr. These Fellowships may be held by Graduates of Harvard College, or of any other department of the University, for a term not exceeding three years in any case. Appointments to these Fellowships will be made annually by the President and Fellows of Harvard College, ordinarily upon recommendation of the Academic Council, at or about Commencement in each year; but the appointments so made must receive, under the provisions of the founder's will, the approval of the Governor and Chief Justice of the Commonwealth of Massachusetts and the President of the American Academy of Arts and Sciences. The holder of a Parker Fellowship must devote himself to some special course of study approved by the Academic Council; he is restricted, during his tenure of the Fellowship, from pursuing the usual studies preparatory to a profession (but not necessarily from higher professional studies), and from occupation in teaching or active business; he is liable to be called upon from time to time to give satisfactory evidence of his fidelity and proficiency; and he is liable to lose his appointment, by

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vote of the President and Fellows, whenever the evidence of his fidelity and proficiency shall be unsatisfactory to the Academic Council, or whenever he may become for any reason unfit, in the opinion of the President and Fellows, to hold a Fellowship.

The object of Mr. Parker's bequest is to provide the most thorough education possible for persons who possess uncommon powers in any department of knowledge, or who give promise of developing such powers, but who have not at command the means of paying for a prolonged and costly training. Incumbents of these Fellowships may study abroad, if they prefer.

THE JOHN THORNTON KIRKLAND FELLOWSHIP. — This Fellowship, having an endowment of about eleven thousand dollars, has been established with the gift of George Bancroft, LL.D. The incumbent of this Fellowship must, as a rule, have resided at least three years at the University as a member either of the College or of one of the Schools. The Fellowship may be held for three years, and no longer; but the appointment must be renewed from year to year, on evidence that the incumbent is fulfilling the purpose of the endowment. It may be awarded to "any young person likely to distinguish himself in either of the learned professions, or in any branch of Science, or in Architecture, Sculpture, Painting, Music, or Letters." The appointment to this Fellowship is made annually by the President and Fellows, on recommendation of the Academic Council, at or about Commencement in each year. The incumbent may study abroad, if he prefer.

Applications for the Parker and Kirkland Fellowships must be sent to the *Secretary of the Academic Council*, on or before the last Wednesday in March. An application made by a person who is for the first time a candidate should specify his qualifications and the course of study to which he wishes to devote himself. An application by an incumbent for the renewal of the appointment should be a report upon the work which he has already done while a Fellow, and a sketch of that which he purposes to do. Applications for the Harris Fellowship and the Graduates' Scholarship must be sent to the *Dean of the College Faculty*, on or before the last Wednesday in May.

COMMITTEES OF THE ACADEMIC COUNCIL.

Committee in Philology. — Professors Hedge, Sophocles, Lowell, Child, Lane, Young, Goodwin (chairman), Bôcher, and A. S. Hill, and Assistant Professors Jacquinot, Greenough, Nash, Smith, Anderson, J. W. White, and Bartlett.

Committee in Philosophy. — Professors Hedge, Peabody, Bowen (chairman), and Everett, and Assistant Professors Palmer and James.

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Committee in History. — Professors Hedge, Torrey (chairman), Norton, Dunbar, Gurney, and Ames.

Committee in Political Science. — Professors Bowen, Torrey, Dunbar (chairman), Langdell, Gurney, and Ames.

Committee in Mathematics. — Professors B. Peirce, Lovering, Eustis, Gibbs, J. M. Peirce (chairman), and Pickering, and Assistant Professors C. J. White, Trowbridge, and Byerly.

Committee in Physics (including Chemistry). — Professors Lovering, Gibbs, Cooke (chairman), Storer, Pickering, and Wood, and Assistant Professors Rogers, Trowbridge, Jackson, and Hill.

Committee in Natural History. — Professors Holmes, Gray (chairman), Whitney, Hagen, Slade, Cooke, Goodale, and Shaler, and Assistant Professors Edes, Bowditch, Farlow, and James.

Committee in Music. — Professors Lovering, Child, and Paine (chairman), and Assistant Professors Greenough and Hill.

Committee in Law. — Professors Bradley, Torrey, Dunbar, Langdell (chairman), Thayer, Gray, and Ames.

Committee in Theology. — Professors Hedge, Peabody, Abbot, Young, and Everett (chairman), and Assistant Professor Palmer.

Committee in Medicine. — Professors Minot, Gibbs, Ellis (chairman), Cheever, and Goodale, and Assistant Professor Fitz.

Committee on Fellowships. — Professors Abbot, Torrey, Ellis, Cooke, Langdell, and Dunbar (chairman).

Committee on Commencement Exercises. — Professors Lovering, Torrey, Lane, Everett, Dunbar, Thayer, Hill (chairman), and Goodale.

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ADMISSION TO HARVARD COLLEGE WITHOUT MATRICULATION.

The *Elective* Courses of Study in Harvard College are open to persons *not less than twenty-one years of age*, who satisfy the Faculty of their fitness to pursue the particular courses they elect, although they have not passed the usual examination for admission to College, and do not propose to be candidates for the degree of Bachelor of Arts.

A certificate of proficiency will be given, if desired, to any person who, having faithfully pursued his chosen subjects throughout the year, passes the mid-year and June examinations therein, and attains not less than seventy-five per cent of the maximum marks therefor.

The Faculty reserve the right to deprive any student of his privileges at any time, if he abuse or fail to use them.

Persons who propose to avail themselves of this provision will be required to begin their attendance at the beginning of the academic year. They must present themselves at No. 1 Harvard Hall, on the Thursday following the last Wednesday in September, at 10 A.M., prepared to furnish testimonials as to their age and character, to indicate the courses of study they wish to pursue, and to demonstrate by examination or otherwise their fitness to attend those courses.

The tuition-fees for Unmatriculated Students will be computed at the rate of $15 for one hour a week of instruction during the academic year, up to $150, the fees covering examinations and certificates; *but in no case shall the fee be less than $30 a year.* For any laboratory course the fee will be $150 a year.

Students must pay the *full year's fee* for all the courses of instruction which they attend.

The bills of Unmatriculated Students are payable in each year on January 12, April 5, and October 10. Each bill will contain one-third of the annual charges. When a student severs his connection with the College, his whole bill becomes payable at once.

Unmatriculated Students must file a bond for *two hundred dollars*, similar to that filed by Undergraduates, or make a deposit with the Bursar.

For further information on this subject, address Prof. C. J. WHITE, Registrar, Cambridge, Mass.

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UNMATRICULATED STUDENTS.

Addison, Charles Morris,	*Cambridge,*	373 Harvard St.
Barber, Henry Dater,	*Polo, Ill.,*	53 Oxford St.
Clement, Albert Wason,	*Lawrence,*	25 Holyoke St.
Fernandez, Agustin M.,	*Cambridge,*	467 Broadway.
Gordon, George A.,	*Cambridge,*	26 Holyoke St.
Harding, Benjamin Fesdick,	*Exeter, N.H.,*	43 Mt. Auburn St.
Holden, Charles Sumner,	*Augusta, Ga.,*	W. 26.
James, Clarence Gray,	*Cambridge,*	94 Brattle St.
Jewett, Frank Jones,	*Pepperell,*	31 Hudson St.
Johnson, Josiah Maderson,	*Worcester,*	12 Dunster St.
Morgan, Richard Hathaway,	*New Bedford,*	Little's Block 30.
Reardon, John Joseph,	*Shirley,*	5 DeWolf St.
Sartelle, Edward James,	*Townsend,*	31 Hudson St.
Wetherbee, James Allen,	*Roxbury,*	10 Greenville St., Roxbury.
Winkley, Henry William,	*Cambridge,*	C. 18.

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EVENING READINGS

IN ANCIENT AND MODERN CLASSICS.

Readings in ancient and modern classics, consisting mainly of translation, with rapid exposition, are open to all members of the University, and also to the public, several evenings in the week, from October till April.

The course of readings extends over four years, and among the authors read during the last three years are, —

Homer, by Asst. Prof. Palmer.
Æschylus, *Aristophanes*, and *Plato*, by Prof. Goodwin.
Plautus, by Asst. Prof. Greenough.
Lucretius and *Virgil*, by Dr. William Everett.
Chaucer and *Shakspere*, by Prof. Child.
Goethe, by Mr. William Cook.
Chamisso, by Mr. Sheldon.
Molière, by Prof. Bôcher.
Dante, by Prof. Norton.
Cervantes, by Prof. Lowell.

Pianoforte Recitals from the works of the Great Masters, by Prof. Paine.

Lectures on German Literature, by Prof. Hedge, were given on Tuesday afternoons in 1876–77.

The courses of readings already announced for 1878–79 are as follows: —

Homer, by Asst. Prof. Palmer, and Mr. L. B. R. Briggs.
Æschylus and Aristophanes, by Prof. Goodwin.
Sophocles and Euripides, by Asst. Prof. J. W. White.
Euripides and Plato, by Mr. Dyer.
Chaucer, by Prof. Child.
Lessing, by Asst. Prof. Bartlett.
Schiller, by Mr. Sheldon.
Recitals from the Great Masters, by Prof. Paine.

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THE MUSEUM OF COMPARATIVE ZOÖLOGY

AT HARVARD COLLEGE.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
ALEXANDER AGASSIZ, A.B., S.B., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Secretary.*
JOHN B. S. JACKSON, M.D.
THEODORE LYMAN, A.B., S.B.

OFFICERS.

ALEXANDER AGASSIZ, A.B., S.B., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Sturgis Hooper Professor of Geology.*
HERMANN A. HAGEN, M.D., PH.D., *Professor of Entomology.*
NATHANIEL S. SHALER, S.D., *Professor of Palæontology.*
LOUIS FRANCIS POURTALÈS, *Keeper.*
WILLIAM JAMES, M.D., *Assistant Professor of Physiology and Comparative Anatomy.*
THEODORE LYMAN, A.B., S.B., *Assistant in Zoölogy.*
CHARLES E. HAMLIN, A.M., *Assistant in Conchology and Palæontology.*
JOEL A. ALLEN, *Assistant in Ornithology.*
FREDERICK W. PUTNAM, A.M., *Assistant in Ichthyology.*
WALTER FAXON, A.B., S.D., *Assistant in Zoölogical Laboratory.*
SAMUEL W. GARMAN, *Assistant in Herpetology.*
EDWARD L. MARK, PH.D., *Assistant in Zoölogical Laboratory.*
WILLIAM M. DAVIS, JR., *Assistant in Geology.*
MARSHMAN EDWARD WADSWORTH, *Assistant in Lithology.*
PAULUS ROETTER, *Artist.*
FRANCES M. SLACK, *Librarian.*

This institution was founded in 1859, and placed under the direction of a special Board of Trustees. By an act of the Legislature dated March 13, 1876, the Trustees of the Museum were authorized to transfer to the President and Fellows of Harvard College all the property in their hands. In April, 1876, articles of agreement were drawn up between the Trustees of the Museum and the President and Fellows, and the property was conveyed in accordance with the act of the Legislature.

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The Museum is under the management of a Faculty, who nominate the Curator and appoint the Assistants.

The Curator is charged with the direction of the scientific and educational interests of the Museum, as well as of its relations to the public. The Natural History collections of Harvard College, with the exception of the Herbarium and the Mineralogical collections, are placed in the Museum building.

The collections, so far as arranged in the part of the building already erected, are open to visitors every day, from 9 A.M. till 5 P.M., except Sundays.

The courses of instruction in Natural History numbered 3, 4, 5, 6, 7, and 10 (see p. 88), are given at the Museum, in the Zoölogical and Geological Laboratories, under the direction of Professors Whitney and Shaler, Dr. James, and Messrs. Faxon and Mark, and Davis and Wadsworth. Professors Whitney, Hagen, and Shaler, and Messrs. Pourtalès, Hamlin, and Allen, receive special students in their respective departments at the Museum.

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THE PEABODY MUSEUM

OF

AMERICAN ARCHÆOLOGY AND ETHNOLOGY.

TRUSTEES.

ROBERT CHARLES WINTHROP, LL.D., *Chairman.*
CHARLES FRANCIS ADAMS, LL.D.
STEPHEN SALISBURY, LL.D., *Treasurer.*
ASA GRAY, LL.D.
HENRY WHEATLAND, M.D., *Secretary.*
THOMAS TRACY BOUVÉ, A.M.
THEODORE LYMAN, A.B., S.B.

OFFICERS.

FREDERICK WARD PUTNAM, A.M., *Curator.*
LUCIEN CARR, A.B., *Assistant Curator.*

In the original Instrument of Trust, the Founder has assigned to the Trustees three distinct duties: —

1. The forming and preserving of collections.
2. The nomination of a professor, who shall have charge of the collections, and deliver lectures on subjects connected with them; the said professor being appointed by the President and Fellows of Harvard College.
3. The erection of a building for a Museum.

The first section of the building, fronting on Divinity Avenue, is now finished, and the collections are in process of arrangement.

The Museum is in charge of the Curator, and, for the present, admission can be had only by application to him or to the Assistant Curator. When arranged, the Museum will be opened to visitors every day in term time.

The Publications of the Museum consist of *Annual Reports*, of which eleven have been printed. These Reports contain special papers on Anthropological subjects, many of which are illustrated.

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THE EPISCOPAL THEOLOGICAL SCHOOL, IN CAMBRIDGE.

(SEPARATELY ESTABLISHED AND INCORPORATED IN 1867.)

BOARD OF TRUSTEES.

EDWARD S. RAND, A.M., *President.*
ROBERT C. WINTHROP, LL.D.
JOHN P. PUTNAM, A.M., LL.B., *Secretary.*
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JOHN A. BURNHAM, A.M.

FACULTY.

REV. JOHN S. STONE, D.D., *Emeritus Dean.*
REV. GEORGE ZABRISKIE GRAY, D.D., *Dean, and Professor of Homiletics and Pastoral Care.*
REV. FRANCIS WHARTON, D.D., LL.D., *Professor of Evidences, Ecclesiastical Polity, and Liturgics.*
REV. P. H. STEENSTRA, A.M., *Professor of Biblical Study and Exegesis.*
REV. A. V. G. ALLEN, D.D., *Professor of Sacred and Church History.*
REV. ALEXANDER H. VINTON, D.D., *Instructor of Systematic Divinity.*

Clergymen from abroad lecture, and preach in the Chapel, from time to time, according to announcements duly made in the church papers and otherwise.

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STUDENTS.

Senior Class.

NAME.	RESIDENCE.
Arrowsmith, Harold,	*Brooklyn, N.Y.*
Hill, Howard Fremont,	*Ashland, N.H.*
Jones, John Nelson,	*Boston.*
Rodriguez, Primitivo Abel,	*Mexico.*

Middle Class.

Amory, Augustine Heard,	*Brookline.*
Bigelow, Frank Hagar,	*Concord.*
Burbank, William Henry,	*Cambridge.*
Cross, Edward Silvain,	*Boston.*
Gilman, James Ward,	*Lowell.*
Holbrook, George Arthur,	*Portsmouth, N.H.*
Sterling, Paul,	*Gambier, O.*
Woodman, Edmund Radcliffe,	*Newburyport.*

Junior Class.

Clark, Arthur March,	*Framingham.*
Cowper, Frederick Charles,	*Exeter, N.H.*
Hodgkiss, Samuel,	*Cambridge.*
Howland, Williams,	*Brooklyn, N.Y.*
Morrill, Charles Walter Kilgore,	*Boston.*
Nash, Henry Sylvester,	*Mt. Pleasant, Iowa.*
Nickerson, Thomas White,	*Boston.*
Webber, Percy Clinton,	*Boston.*

The graduates number thirty-eight, and are all actively engaged in the ministry.

CONDITIONS OF ADMISSION.

Candidates for orders in the Protestant Episcopal Church, with full literary qualifications, according to canon, are received.

Also, other persons who bring evidence of proper moral and religious character, and of qualifications for usefulness in the Christian ministry, provided they have a college diploma, or pass an equivalent examination.

Students from other Theological Schools are admitted *ad eundem*.

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EXPENSES.

There are no charges made by the School.

The cost of board, fuel, lights, washing, and necessary books can be met with about $225 per annum. For students needing pecuniary assistance, there is available the aid of the Educational Societies of the Church, and of certain funds for the benefit of persons studying theology in Cambridge.

TERM TIME, &c.

The annual term opens on the fourth Wednesday of September, and closes with Commencement, the third Wednesday in June. Vacations: between the close and opening of the terms, as above: from December 24th to January 6th; from the Saturday before Passion Week to Easter Tuesday, inclusive.

The Students in Harvard University are invited to St. John's Memorial Chapel, where special provision is made for their accommodation. Pastoral attention in any way is willingly extended, if desired, by the Dean.

For further details or information, address the Dean, at 108 Brattle Street, Cambridge.

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THE UNIVERSITY LIBRARY.

COUNCIL.

CHARLES W. ELIOT, *President.*
HENRY W. TORREY, *Professor of Ancient and Modern History.*
EZRA ABBOT, *Professor of New Testament Criticism and Interpretation.*
WOLCOTT GIBBS, *Professor on the Application of Science to the Useful Arts.*
FRANCIS J. CHILD, *Professor of English.*
CHARLES ELIOT NORTON, *Professor of the History of Art.*
JUSTIN WINSOR, *Librarian of the University.*
GEORGE L. GOODALE, *Professor of Botany.*

COLLEGE LIBRARY.

JUSTIN WINSOR, *Librarian.*
JOHN FISKE, *Assistant Librarian in Charge of the Catalogue.*
GEORGE F. ARNOLD, *Curator of the Shelves.*
THOMAS J. KIERNAN, *Superintendent of Circulation.*

DEPARTMENTAL LIBRARIES.

The care of the several libraries devolves upon some member of the faculties of the respective departments when regular librarians have not been appointed.

HENRY L. EUSTIS, *Professor and Dean of the Lawrence Scientific School.*
FRANCIS H. STORER, *Professor and Dean of the Bussey Institution.*
EDWARD C. PICKERING, *Professor and Director of the Astronomical Observatory.*
SERENO WATSON, *Curator of the Herbarium, Botanic Garden.*
JOHN H. ARNOLD, *Librarian of the Law School.*
CHARLES B. ELDER, *Librarian of the Divinity School.*
JAMES E. CLEAVES, *Librarian of the Medical School.*
FRANCES M. SLACK, *Librarian of the Zoölogical Museum.*

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The College Library in Gore Hall is for the use of the whole University. All students who have given bonds may take out books, three volumes at a time, and may keep them four weeks. Books, reserved at the instance of officers of instruction, as collateral reading for their courses, can only be taken out at the close of library hours, and must be returned upon the reopening of the library. Students who leave Cambridge for an absence of more than one week must first return all borrowed books.

The College Library is open every week-day except Thanksgiving day, Christmas day, New Year's day, Fast Day, and the Fourth of July, from nine A.M. till five P.M., or till sunset when that is before five; but in vacation or recess the hour of closing is two P.M.

The College Library may be consulted by all persons, whether connected with the University or not. The privilege of borrowing books is also granted, under special regulations, to persons not connected with the University. *Blanks for making applications for such use may be had of the Librarian.*

Persons entitled to use the College Library can have access to the departmental libraries, for consultation, by applying to the Superintendent of circulation at Gore Hall; but such libraries are primarily for the special use of the schools and departments, and are placed in the buildings belonging to such schools and departments.

The several libraries now contain about the following number of bound volumes: —

Gore Hall	173,000
Lawrence Scientific School	2,100
Bussey Institution (Jamaica Plain)	2,100
Phillips Library (Observatory)	3,000
Botanic Garden	3,000
Law School	17,000
Divinity School	18,000
Medical School (Boston)	2,000
Museum of Comparative Zoölogy	12,000
	232,200

The collection of pamphlets and maps in the College Library is very large, and is estimated to be equal in numbers to the collection of bound volumes. The departmental libraries have also considerable numbers of pamphlet monographs on subjects connected with their specialties, and these are not included in the count of volumes. The College Library has also a collection of coins.

A Bulletin of recent accessions is issued quarterly, with a supplement of notes on the authorities in different departments of knowledge.

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SUMMER COURSES OF INSTRUCTION

IN

CHEMISTRY, BOTANY, AND GEOLOGY.

CHEMISTRY.

The course of instruction in Chemistry for the summer of 1878 was conducted by Mr. Maybery in Boylston Hall. The laboratory was open all day, five days in the week, from July 5 to August 16. The subjects studied were General Chemistry, Qualitative Analysis, and Quantitative Analysis. Thirty lectures were given, — sixteen on Qualitative Analysis, and fourteen on the general principles of Chemistry.

STUDENTS.

GENERAL CHEMISTRY.

[The occupation and place of residence are given with the name of each student.]

Eaton, James S., *Principal of Chester Academy*,	Chester, N.Y.
Melvin, Cynthia Giffin, *Teacher in Dearborn Grammar School, Boston*,	Boston.
Palmer, Kate, *Teacher of Biology in Girls' High School*,	Louiaville, Ky.
Rix, William Stone, A. M. (*Dartmouth Coll.*), *Principal of High School, Waldoboro', Me.*,	Winchester.
Sheppard, Miriam, *Teacher in Ivy Hall Seminary*,	Bridgeton, N. J.
Simmons, William G., *Prof. of Natural Science, Wake Forest Coll., N.C.*,	Wake Forest, N.C.
Wesselhoeft, Selma, *Teacher*,	Boston.

QUALITATIVE ANALYSIS.

Clement, Albert W., *Student*,	Lawrence.
Deane, Clifton S., *Teacher*,	Bernardston.
Fallon, Matilda, *Teacher of Mathematics and Physics in Trenton High School*,	Trenton, N.J.
Forsythe, Edward, B. S. (*Haverford Coll.*),	Chadd's Ford, Pa.
Fullerton, Anna M., *Teacher in Normal School, Philadelphia*,	Philadelphia, Pa.
James, Clarence Gray, *Student, Harv. Univ.*,	Cambridge.
Michael, A. J., A. M. (*Ohio Univ.*), *Principal of Ryan High School*,	Youngstown, O.
Mulford, Augusta L., *Teacher*,	Brooklyn, N. Y.

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QUANTITATIVE ANALYSIS.

Fish, Charles Everett, *Principal of Edward Little High School*,	Auburn, Me.
Green, Samuel S., M. S. (*Univ. of Mich.*), *Prof. of Physics in Swarthmore Coll.*,	Swarthmore, Pa.
Hyams, Godfrey Michael, *Student, Harv. Univ.*,	Boston.
Michael, A. J., A. M. (*Ohio Univ.*), *Principal of Ryan High School*,	Youngstown, O.
Sharpless, Isaac, S. B., *Prof. of Mathematics in Haverford College*,	Haverford, Pa.

The course of instruction in Chemistry for 1879 will include General Chemistry, Qualitative Analysis, and Quantitative Analysis.

A class in Mineralogy may be formed, if a sufficient number of applications are received.

Two courses of lectures will be given, one on Qualitative Analysis, the other on General Chemistry.

The same facilities for laboratory work which are open to the student during the academic year will be offered to the summer classes.

The fee for this course is $25, beside a small charge for chemicals, breakage, and use of apparatus.

The course will begin on July 7, and continue six weeks.

Applications for circulars or for further information may be made to Mr. C. F. Mabery, Cambridge, Mass.

BOTANY.

A course of instruction in Phænogamic Botany was given during the summer of 1878. The lectures by Prof. Goodale were followed daily by practical dissections and demonstrations in the laboratory. All requisite appliances and abundant material for examination were furnished every student.

STUDENTS IN PHÆNOGAMIC BOTANY.

Barrows, Ransom Moore, M. D. (*Univ. of Mich.*),	Olivet, Mich.
Beckwith, Alice C., *Teacher*,	Cambridge.
Carvill, Robert Dennett, *Principal of High School*,	Anoka, Minn.
Cathcart, Ellen W., *Teacher*,	Philadelphia, Pa.
Copeland, Ella Bradford, *Teacher*,	Cambridge.
Davis, Nancy Jane, *Teacher*,	Birmingham, Pa.
Hallowell, Susan Maria, A. M. (*Colby Univ.*), *Professor of Natural Science, Wellesley Coll.*,	Wellesley.
Hill, Sarah C., *Teacher*,	Rhinebeck, N.Y.
Ireland, Catherine Innes, *Teacher*,	Boston.

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Jesup, Henry G., A. M. (*Yale Coll.*), *Professor of Natural Science*,	Hanover, N.H.
Lane, William Coolidge, *Student in Harvard Univ.*,	Cambridge.
Marsh, Sarah Elizabeth, *Teacher in High School*,	Stevens Point, Wis.
Minns, Susannah,	Boston.
Moore, Nina, *Teacher*,	West Newton.
Murray, William Houghton, B. S. (*Coll. of N. J.*), *Student*,	Princeton, N.J.
Newton, Martha S., A. B. (*Ohio Female Coll.*), *Teacher in High School*,	Norwalk, O.
Norris, Jennie Almira, *Teacher*,	Cambridge.
Palmer, Kate, *Teacher in High School*,	Louisville, Ky.
Parsons, Katharine, *Teacher*,	Cambridge.
Phillips, Francis C., *Professor of Chemistry in Weston Univ.*,	Pittsburgh, Pa.
Sargent, Emily W.,	Worcester.
Sheppard, Miriam, *Teacher*,	Bridgeton, N.J.
Simmons, William G., *Professor of Natural Science*,	Wake Forest, N.C.
Washburn, Alfred Foster, A. B., *Student*,	Cambridge.
Watson, Benjamin Marston, A. B., *Instructor in Horticulture at Bussey Institute*,	Jamaica Plain.
Watson, Rosa Bolles,	East Windsor Hill, Conn.
Williams, Rufus Phillips, A. M., *Student*,	Cambridge.

The corresponding course in 1879 will begin on July 7, and continue six weeks.

The instruction in Phænogamic Botany will be given in the Botanical Laboratory, Cambridge, by Professor Goodale. Two courses of lectures will be given: one adapted to beginners, the other to more advanced students. Particular attention will be paid to Morphology and Physiology. The greenhouses and garden of the University afford ample facilities for illustrating the subjects of Structural and Systematic Botany.

Fee for the course, $25.

For further information, or for an outline sketch of the course, application may be made to the instructor.

GEOLOGY.

The fourth session of the Summer School of Geology was conducted in connection with the field-work of the Kentucky Geological Survey in Kentucky and Virginia. The instruction was given by the Professor of Palæontology, and by Messrs. C. J. Norwood, J. R. Procter, and L. H. DeFreise, assistants on the Kentucky Survey, Professor Theodore

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B. Comstock of Cornell University, and Mr. J. S. Diller, assistant in the Summer School.

During the summer of 1879, the school will have a two years' course. The instruction of the first year, designed for beginners, will be given in Cambridge and in the Catskill Mountains.

The instruction of the second year, designed for persons of some training, will be given in connection with the work of the Kentucky Survey at a camp on the line between Kentucky and Virginia.

The first year's course will be under the immediate supervision of Mr. William M. Davis, instructor in Geology; the second year's course will be in the charge of the officers of the Kentucky Survey. Both courses will remain under the general direction of Professor Shaler.

The fee for either course will be $25. The first course will begin on July 7, and continue six weeks. The second course will begin on June 15, and continue till September 15; but, as there will be no class-teaching, students may enter with profit at any time.

STUDENTS.

Brownell, Walter Abner, A.B., Ph.D. (*Genesee Coll.*), *Teacher in Syracuse High School, N.Y.*,	Syracuse.
Crump, M. H., *Teacher*,	Bowling Green, Ky.
Fruit, John Phelps, A.B. (*Bethel Coll.*), *Teacher*,	Pembroke, Ky.
Garnett, John King, A.B. (*Bethel Coll.*),	Glasgow, Ky.
Garratt, Allan Vinal,	Boston.
Haynes, William Oscar, A.B. (*Bethel Coll.*), *Teacher*,	Owensboro', Ky.
Lowry, Sylvanus Todd, A.M. (*Bethel Coll.*), M.D. (*Jefferson Coll., Pa.*), *Supt. of Public Schools*,	Owensboro', Ky.
Squier, George Howe, A.B. (*Univ. of Mich.*),	Trempeleau, Wis.

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EXAMINATIONS FOR WOMEN.

These Examinations were held for the first time in 1874, in Boston. In 1879, they will be held simultaneously in Cambridge, New York, Philadelphia, and Cincinnati, in the first and second weeks of June. The examinations are of two grades: I. A general or preliminary examination; II. An advanced examination, for those who have passed the preliminary examination.

I. PRELIMINARY EXAMINATION.

The Preliminary Examination embraces the following subjects: English, Physical Geography, either Elementary Botany or Elementary Physics, Arithmetic, Algebra through quadratic equations, Plane Geometry, History, and any two of the four languages, — French, German, Latin, and Greek, —at least one of the two chosen being a modern language.

This examination can be taken as a whole only by young women who are at least seventeen years old. It may, however, at the option of the candidate, be divided between two years; and, in this case, the minimum age of admission is sixteen years. No candidate will, in any case, be admitted to examination on a part of any subject; and no account will be made of a partial examination, unless the candidate has passed satisfactorily in at least three subjects. If the candidate passes in three or more subjects, the results of the partial examination will be recorded by the University; but no certificate will be given until the whole examination has been passed. Candidates who divide the Preliminary Examination will be expected to attain a somewhat higher degree of excellence than those who present the nine subjects at once.

II. ADVANCED EXAMINATION.

The Advanced Examination is for young women who have passed the Preliminary Examination, and who are not less than eighteen years old. It is divided into five sections, in one or more of which the candidate may present herself. These sections are as follows: —

1. *Languages.* Candidates may offer any two of the following languages: English, French, German, Italian, Latin, Greek.

2. *Physical Science.* Candidates may offer any two of the following subjects: Chemistry, Physics, Botany, Mineralogy, Geology.

3. *Mathematics.* Candidates must present Solid Geometry, Algebra, Logarithms, and Plane Trigonometry, and one of the three following subjects: (1) Analytic Geometry, (2) Mechanics, (3) Spherical Trigonometry and Astronomy.

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4. *History.* In 1879, candidates may offer either of the two following subjects: (1) The History of Continental Europe during the period of the Reformation, 1517–1648; (2) English and American History from 1688 to the end of the eighteenth century.

5. *Philosophy.* Candidates may offer any three of the following subjects: Mental Philosophy, Moral Philosophy, Logic, Rhetoric, Political Economy.

FORMS OF CERTIFICATES TO BE GIVEN BY THE UNIVERSITY.

HARVARD UNIVERSITY.

PRELIMINARY EXAMINATION FOR WOMEN.

A —— B —— has passed (passed with distinction) (passed with the highest distinction) the Preliminary Examination, held at ——, on the —— of ——, 187, under the direction of the Faculty of Harvard College and is entitled to proceed to the Advanced Examination.

CAMBRIDGE, Aug. 1, 187 . *President.*

HARVARD UNIVERSITY.

ADVANCED EXAMINATION FOR WOMEN.

A —— B ——, having duly passed the Preliminary Examination on the —— of ——, 187 , has been admitted to the Advanced Examination in the section (sections) of ——, and has passed (passed with distinction) (passed with the highest distinction) the prescribed examinations in ——, held at ——, under the direction of the Faculty of Harvard College, on the —— of ——, 187 .

CAMBRIDGE, Aug. 1, 187 . *President.*

Notice of intention to be a candidate must be sent before April 1, 1879, to one of the following officers: —

Secretary of the Woman's Education Association, 114 Boylston Street, Boston;

Secretary of the New York Local Committee, 59 East Twenty-fifth Street, New York;

Secretary of the Philadelphia Local Committee, 401 South Eighth Street, Philadelphia;

Secretary of the Cincinnati Local Committee, 57 Walnut Street Cincinnati.

Candidates for the Preliminary Examination must specify which of the elective studies (Botany or Physics, and French, German, Latin, or

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Greek) they will take. Candidates for the Advanced Examination must specify which section and which subjects they elect.

Exact notice of the place of the examination, and also of the time (day and hour), will be sent to all candidates on April 15, 1879.

The Preliminary Examination will cover parts of two weeks. Less time will be required for the Advanced Examination, according to the number of subjects chosen.

The fee for the Preliminary Examination, including certificate, will be *fifteen dollars*.

The fee for the Advanced Examination will be *ten dollars*.

The Woman's Education Association and the Local Committees will provide board and lodging at moderate cost for those who need such accommodation.

Young women in narrow circumstances will be aided in meeting the cost of these examinations. Applicants for such aid should address the Secretary of the Education Association or the Secretary of the Local Committee, stating their circumstances fully, — the amount of help they need, the kind of assistance they would prefer, whether a remission of fees, a loan or gratuitous board and lodging during the examination, — and enclosing certificates of scholarship and character from their teachers. If an applicant is under twenty-one years of age, her application must be accompanied by the written approval of her parent or guardian.

The examination papers used in previous years and a pamphlet containing full lists of books required will be forwarded to any address, and any further information that may be desired will be gladly given, upon application to either of the Secretaries above mentioned.

The following candidates received certificates in 1878: —

PRELIMINARY EXAMINATION.

Caroline Blatchford,	*Cambridge.*
Helen Trump Comly,	*Byberry, Pa.*
Sarah Miller Coventry,	*West Schuyler, N.Y.*
Anne Greeley Cunningham,	*Bolton.*
Estelle De Seyster Dixon,	*New York, N.Y.*
Mary Sophronia Edgerly,	*Brookline.*
Elizabeth Johnston Purdy,	*Rye, N.Y.*

ADVANCED EXAMINATION.

Helen Trump Comly,	*Mathematics,*	*Byberry, Pa.*
Emily Josephine Leonard,	*Philosophy,*	*West Meriden, Conn.*
	With Distinction.	
Margaret Connor,	*Languages,*	*Germantown, Pa.*

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GENERAL SUMMARY.

Government, Teachers, and other Officers.

PRESIDENT AND FELLOWS		7
OVERSEERS		81
TEACHERS: —		
Professors	52	
Assistant Professors	18	
Lecturers	3	
Tutors	9	
Instructors	37	
Demonstrators and Assistants	17	
		136
Deduct for names inserted more than once		1
Whole number of Teachers		135
LIBRARIANS, PROCTORS, AND OTHER OFFICERS		28

Students.

COLLEGE STUDENTS: —		
Senior Class	200	
Junior Class	174	
Sophomore Class	218	
Freshman Class	227	
		819
DIVINITY STUDENTS: —		
Senior Class	8	
Middle Class	8	
Junior Class	11	
Special Students	1	
		28
LAW STUDENTS: —		
Resident Bachelors of Law	7	
Second-Year Students	49	
First-Year Students	52	
Special Students	42	
		160

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Scientific Students:—			
Fourth-Year Students	2		9
Third-Year Students	5		3
Second-Year Students	8		3
First-Year Students	8		7
Special Students	4		
		17	22
Medical Students:—			
Resident Graduates	11		7
Fourth Class	1		
Third Class	54		48
Second Class	69		67
First Class	103		90
		238	212
Dental Students:—			
First-Year Students	6		8
Second-Year Students	5		6
Third-Year Students	2		3
		13	17
Bussey Institution		4	3
Candidates for Higher Degrees		87	51
Unmatriculated Students		15	13
Holders of Fellowships		7	6
Other Resident Graduates		6	8
		1339	1357
Deduct for names inserted more than once		7	15
Whole number of Students		1332	1342

Summer Courses of Instruction:—		
Students in Chemistry	20	
Students in Botany	27	
Students in Geology	8	
		55
Deduct for names inserted more than once		4
		51

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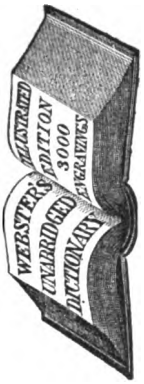

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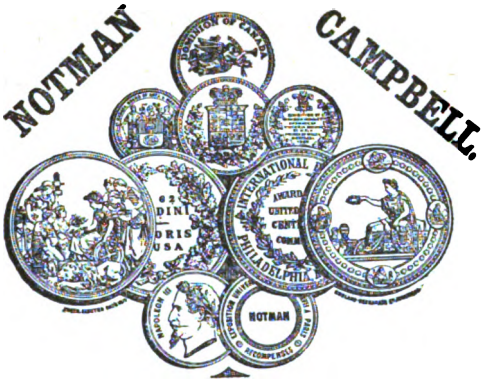

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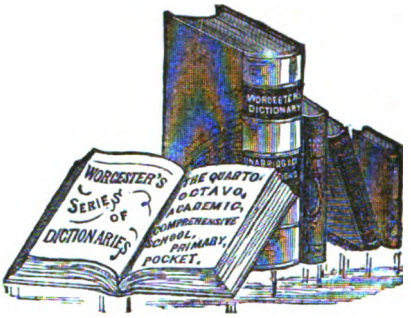

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THE

HARVARD UNIVERSITY

CATALOGUE.

1879-80.

CAMBRIDGE:
PUBLISHED FOR THE UNIVERSITY,
BY CHARLES W. SEVER.
1879.

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CALENDAR.

The meetings of the PRESIDENT AND FELLOWS *are held on the second and on the last Monday of every month.*

1879.

Sept. 22, *Monday.* Examinations in the Medical School begin.

Sept. 23, *Tuesday.* Examination for advanced standing in Harvard College begins.

Sept. 24–26, *Wednesday* to *Friday.* Examination for admission to Harvard College, and to the Lawrence Scientific School.

Sept. 25, *Thursday.* **Academic Year begins** in all departments of the University.

Sept. 25, *Thursday.* Examination for admission to the Law School.

Sept. 25, 26, *Thursday* and *Friday.* Examination for admission to advanced standing in the Law School.

Oct. 7, *Tuesday.* Last day of receiving applications for admission to candidacy for the degrees of A.M., PH.D., and S.D.

Oct. 8, *Wednesday.* Stated Meeting of the Board of Overseers.

Oct. 9, *Thursday.* Reading of Freshmen for the Lee Prizes.

Oct. 15, *Wednesday.* Stated Meeting of the Academic Council.

Oct. 16, *Thursday.* Reading of Sophomores for the Lee Prizes.

Nov. 29, *Saturday.* Last day of receiving applications for aid from the Loan Fund.

Dec. 17, *Wednesday.* Stated Meeting of the Academic Council.

RECESS FROM DEC. 23, 1879, TO JAN. 2, 1880, BOTH DAYS INCLUDED.

1880.

Jan. 7, *Wednesday.* Stated Meeting of the Board of Overseers.

Feb. 9, *Monday.* **Second half-year begins.**

Feb. 18, *Wednesday.* Stated Meeting of the Academic Council.

March 31, *Wednesday.* Last day of receiving applications for the Parker and Kirkland Fellowships.

March 31, *Wednesday.* Last day of re-engaging College Rooms for 1880–81.

April 1, *Thursday.* Last day of receiving applications of candidates for Second-Year Honors.

RECESS FROM THE WEDNESDAY BEFORE FAST-DAY TO THE FOLLOWING TUESDAY, BOTH DAYS INCLUDED.

April 14, *Wednesday.* Stated Meeting of the Board of Overseers.

April 21, *Wednesday.* Stated Meeting of the Academic Council.

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April 19, *Monday.* Last day of receiving applications for College Rooms for 1880–81.

April 20, *Tuesday.* Assignment of College Rooms for 1880–81.

April 28, *Wednesday.* Last day of receiving names of competitors for the Boylston Prizes.

May 13, *Thursday.* Speaking for the Boylston Prizes.

May 26, *Wednesday.* Last day of receiving applications for the Harris Fellowship and the Graduate Scholarship.

June 1, *Tuesday.* Last day of receiving applications for Scholarships, or for aid from the Beneficiary Fund. Last day of receiving applications of candidates for Final Honors.

June 14, *Monday.* Examinations in the Medical School begin.

June 24, *Thursday.* Stated Meeting of the Academic Council.

June 25, *Friday.* Seniors' Class Day.

June 28, *Monday.* Examination for admission to the Medical School.

June 30, *Wednesday.* **Commencement.** Stated Meeting of the Board of Overseers.

SUMMER VACATION OF THIRTEEN WEEKS, FROM COMMENCEMENT DAY TO SEPTEMBER 30.

July 1, *Thursday.* Examination for admission to the Law School.

July 1–3, *Thursday* to *Saturday.* Examination for admission to Harvard College.

July 14, *Wednesday.* Annual Meeting of the Board of Overseers.

Sept. 27, *Monday.* Examinations in the Medical School begin.

Sept. 28, *Tuesday.* Examination for advanced standing in Harvard College begins.

Sept. 29, *Oct.* 1, *Wednesday* to *Friday.* Examination for admission to Harvard College, and to the Lawrence Scientific School.

Sept. 30, *Thursday.* **Academic Year begins** in all departments of the University.

Sept. 30, *Thursday.* Examination for admission to the Law School.

Sept. 30, *Oct.* 1, *Thursday* and *Friday.* Examination for admission to advanced standing in the Law School.

Oct. 5, *Tuesday.* Last day of receiving applications for admission to candidacy for the degrees of A.M., PH D., and S.D.

Oct. 13, *Wednesday.* Stated Meeting of the Board of Overseers.

Oct. 14, *Thursday.* Reading of Freshmen for the Lee Prizes.

Oct. 20, *Wednesday.* Stated Meeting of the Academic Council.

Oct. 21, *Thursday.* Reading of Sophomores for the Lee Prizes.

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DIRECTORY.

IN BOSTON.

The office of the PRESIDENT AND FELLOWS is at No. 70 Water Street.
The office of the TREASURER is at No. 70 Water Street.
The MEDICAL SCHOOL is on North Grove Street.
The office of the SECRETARY OF THE MEDICAL FACULTY is at No. 108 Boylston Street.
The DENTAL SCHOOL is at No. 50 Allen Street.
The office of the DEAN OF THE DENTAL FACULTY is at No. 222 Tremont Street.

IN CAMBRIDGE.

The office of the PRESIDENT is at No. 5 University Hall.
The office of the DEAN OF THE COLLEGE FACULTY is at No. 5 University Hall.
The office of the REGISTRAR OF THE COLLEGE FACULTY is at No. 5 University Hall.
The office of the SECRETARY is at No. 5 University Hall.
The office of the DEAN OF THE LAW FACULTY is in Dane Hall.
The office of the BURSAR is in Wadsworth House, Harvard Square.
The office of the STEWARD OF THE DINING HALL is in the north-west tower of Memorial Hall.
The OBSERVATORY and BOTANIC GARDEN are on Garden Street.
The MUSEUM OF COMPARATIVE Zoölogy is on Oxford Street and Divinity Avenue.
The PEABODY MUSEUM OF AMERICAN ARCHÆOLOGY AND ETHNOLOGY is on Divinity Avenue.
DIVINITY HALL is on Divinity Avenue.

IN JAMAICA PLAIN.

The BUSSEY INSTITUTION is in Jamaica Plain. The nearest railroad and Telegraph station is Forest Hills, on the Boston and Providence Railroad.

ABBREVIATIONS.

C. College House.
D. Divinity Hall.
G. Grays Hall.
H. Hollis Hall.
H'ke Holyoke House.
H'y Holworthy Hall.
M. Matthews Hall.
S. Stoughton Hall.
T. Thayer Hall.
W. Weld Hall.

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THE GOVERNMENT OF THE UNIVERSITY.

HARVARD COLLEGE was founded in 1636, by a vote of the General Court of the Colony of Massachusetts Bay, bearing the date of September 8th of that year.

The language of the vote was as follows: —

"The Court agree to give Four Hundred Pounds towards a *School* or *College*, whereof Two Hundred Pounds shall be paid the next year, and Two Hundred Pounds when the work is finished, and the next Court to appoint where and what building."

The ensuing year (1637) the General Court appointed twelve of the most eminent men of the colony (among whom were John Cotton and John Winthrop) "to take order for a college at Newtown." The name, "Newtown," was soon afterwards changed by the General Court to *Cambridge*, in recognition of the English University where many of the colonists had been educated.

The following year (1638) John Harvard, a non-conforming clergyman of England, who had been in the colony about one year, died at Charlestown, leaving half of his whole property and his entire library (about 800 volumes) to the institution. The value of this bequest was more than double the entire sum originally voted by the Court, and it was resolved to open the College at once, and to give it the name of *Harvard*. The first class was formed in the same year.

In 1642, during the administration of the first President, Henry Dunster, the general government of the College and the management of its funds were placed in the hands of a *Board of Overseers* established and empowered by the following Act of the General Court: —

"THE ACT

"ESTABLISHING THE OVERSEERS OF HARVARD COLLEGE.

"*At a General Court held at Boston on the 8th of September, in the Year* 1642.

"WHEREAS, through the good hand of God upon us, there is a College founded in Cambridge, in the county of Middlesex, called HARVARD COLLEGE, for the encouragement whereof this Court has given the sum of four hundred pounds, and also the revenue of the ferry betwixt Charlestown and Boston, and that the well ordering and managing of the said College is of great concernment, —

"It is therefore ordered by this Court and the authority thereof, that the Governor and Deputy-Governor for the time being, and all the

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magistrates of this jurisdiction, together with the teaching elders of the six next adjoining towns, — viz. Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, — and the President of the said College for the time being, shall, from time to time, have full power and authority to make and establish all such orders, statutes, and constitutions as they shall see necessary for the instituting, guiding, and furthering of the said College, and the several members thereof, from time to time, in piety, morality, and learning; as also to dispose, order, and manage, to the use and behoof of the said College and the members thereof, all gifts, legacies, bequeaths, revenues, lands, and donations, as either have been, are, or shall be conferred, bestowed, or any ways shall fall or come to the said College.

"And whereas it may come to pass that many of the said magistrates and elders may be absent, or otherwise employed in other weighty affairs, when the said College may need their present help and counsel, — it is therefore ordered, that the greater number of magistrates and elders which shall be present, with the President, shall have the power of the whole. *Provided*, that if any constitution, order, or orders, by them made, shall be found hurtful unto the said College, or the members thereof, or to the weal public, then, upon appeal of the party or parties grieved unto the company of Overseers first mentioned, they shall repeal the said order or orders, if they shall see cause, at their next meeting, or stand accountable thereof to the next General Court." *

One of the first labors of the Overseers, in concert with the President, was the formation of a code of laws, which was "published to the scholars for the perpetual preservation of their welfare and government."

Besides various rules pertaining to good morals and discipline, this codo established requisites for admission to the College, and the conditions upon which degrees should be granted. The rules relating to admission and to degrees were as follows: —

"1. When any scholar is able to read Tully, or such like classical Latin author *extempore*, and make and speak true Latin in verse and prose *suo* (*ut aiunt*) *Marte*, and decline perfectly the paradigms of nouns and verbs in the Greek tongue, then may he be admitted into the College, nor shall any claim admission before such qualifications.

. . . . . .

* This Act is copied from "The General Laws of the Massachusetts Colony, revised and published by order of the General Court in October, 1658;" which was the second edition of the Laws of the Colony, and was printed in 1660. It varies slightly in phraseology from the Act contained in the Records of the General Court, Vol. II. page 24.

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"18. Every scholar that on proof is found able to read the original of the Old and New Testament into the Latin tongue, and to resolve them logically, withal being of honest life and conversation, and at any public act hath the approbation of the Overseers and Master of the College, may be invested with his first degree.

"19. Every scholar that giveth up in writing a synopsis or summary of Logic, Natural and Moral Philosophy, Arithmetic, Geometry, and Astronomy, and is ready to defend his theses or positions, withal skilled in the originals as aforesaid, and still continues honest and studious, at any public act after trial he shall be capable of the second degree of master of arts."

The Board of Overseers appears to have been found too large a body to have the immediate direction of the College, and in 1650, through the efforts of President Dunster and others, a charter was granted to the College by the General Court, by which the College was made a *Corporation*, consisting of the President, five Fellows, and a Treasurer, or Bursar, to have perpetual succession by the election of members to supply vacancies, and to be called by the name of the *President and Fellows of Harvard College*. The powers conferred by this Act were accompanied with a provision which required that all Orders and By-Laws of the Corporation should have the consent of the Overseers before they went into operation. This provision was found inconvenient and embarrassing in practice, and in 1657 a law was passed, called "An Appendix to the College Charter," by which the acts of the Corporation were declared to have immediate force and effect, and to be merely "alterable" by the Overseers, to whom the Corporation was to be "responsible."

The text of the College Charter, and of the Appendix to the same, is as follows: —

"THE CHARTER

OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE, UNDER THE SEAL OF THE COLONY OF MASSACHUSETTS BAY, AND BEARING DATE MAY 31, A.D. 1650.

"Whereas, through the good hand of God, many well-devoted persons have been, and daily are, moved and stirred up to give and bestow sundry gifts, legacies, lands, and revenues, for the advancement of all good literature, arts, and sciences, in HARVARD COLLEGE, in Cambridge, in the county of Middlesex, and to the maintenance of the President and Fellows, and for all accommodations of buildings, and all other necessary provisions that may conduce to the education of the English and Indian youth of this country in knowledge and godliness, —

"It is therefore ordered and enacted by this Court and the authority thereof, that for the furthering of so good a work, and for the purposes

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aforesaid, from henceforth that the said College in Cambridge, in Middlesex, in New England, shall be a Corporation, consisting of seven persons, to wit, a President, five Fellows, and a Treasurer or Bursar; and that HENRY DUNSTER shall be the first President, SAMUEL MATHER, SAMUEL DANFORTH, Masters of Art, JONATHAN MITCHELL, COMFORT STARR, and SAMUEL EATON, Bachelors of Art, shall be the five Fellows, and THOMAS DANFORTH to be present Treasurer, all of them being inhabitants in the Bay, and shall be the first seven persons of which the said Corporation shall consist; and that the said seven persons, or the greater number of them, procuring the presence of the Overseers of the College, and by their counsel and consent, shall have power, and are hereby authorized, at any time or times, to elect a new President, Fellows, or Treasurer, so oft, and from time to time, as any of the said person or persons shall die or be removed; which said President and Fellows for the time being shall forever hereafter, in name and fact, be one body politic and corporate in law, to all intents and purposes, and shall have perpetual succession, and shall be called by the name of *President and Fellows of Harvard College*, and shall from time to time be eligible as aforesaid; and, by that name, they and their successors shall and may purchase and acquire to themselves, or take and receive upon free gift and donation, any lands, tenements, or hereditaments, within this jurisdiction of the Massachusetts, not exceeding the value of five hundred pounds per annum, and any goods and sums of money whatsoever to the use and behoof of the said President, Fellows, and scholars of the said College; and also may sue and plead, or be sued and impleaded, by the name aforesaid, in all courts and places of judicature within the jurisdiction aforesaid.

"And that the said President, with any three of the Fellows, shall have power, and are hereby authorized, when they shall think fit, to make and appoint a common seal for the use of the said Corporation. And the President and Fellows, or the major part of them, from time to time, may meet and choose such officers and servants for the College, and make such allowance to them, and them also to remove, and, after death or removal, to choose such others, and to make from time to time such orders and by-laws, for the better ordering and carrying on the work of the College, as they shall think fit; *provided* the said orders be allowed by the Overseers. And also that the President and Fellows, or major part of them, with the Treasurer, shall have power to make conclusive bargains for lands and tenements, to be purchased by the said Corporation for valuable considerations.

"And, for the better ordering of the government of the said College and Corporation, — Be it enacted by the authority aforesaid, that the President and three more of the Fellows shall and may from time to time, upon due warning or notice given by the President to the rest, hold a

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meeting for the debating and concluding of affairs concerning the profits and revenues of any lands, and disposing of their goods (provided that all the said disposings be according to the will of the donors), and for direction in all emergent occasions, execution of all orders and by-laws, and for the procuring of a general meeting of all the Overseers and Society, in great and difficult cases, and in cases of non-agreement; in all which cases aforesaid, the conclusion shall be made by the major part, the said President having a casting voice, the Overseers consenting thereunto. And that all the aforesaid transactions shall tend to and for the use and behoof of the President, Fellows, scholars, and officers of the said College, and for all accommodations of buildings, books, and all other necessary provisions and furnitures as may be for the advancement and education of youth in all manner of good literature, arts, and sciences.

"And, further, be it ordered by this Court and the authority thereof, that all the lands, tenements, or hereditaments, houses, or revenues, within this jurisdiction, to the aforesaid President or College appertaining, not exceeding the value of five hundred pounds per annum, shall from henceforth be freed from all civil impositions, taxes, and rates; all goods to the said Corporation, or to any scholars thereof, appertaining, shall be exempted from all manner of toll, customs, and excise whatsoever; and that the said President, Fellows, and scholars, together with the servants, and other necessary officers to the said President or College appertaining, not exceeding ten, — viz. three to the President and seven to the College belonging, — shall be exempted from all personal civil offices, military exercises or services, watchings and wardings; and such of their estates, not exceeding one hundred pounds a man, shall be free from all country taxes or rates whatsoever, and none others.

"In witness whereof, the Court hath caused the seal of the Colony to be hereunto affixed. Dated the one and thirtieth day of the third month, called May, anno 1650.

"[L. S.] THO: DUDLEY, *Governor.*" *

"AN APPENDIX TO THE COLLEGE CHARTER, GRANTED BY AN ACT OF THE GENERAL COURT OF THE COLONY, PASSED A.D. 1657.

"*At a General Court held at Boston, the* 14*th of October,* 1657.

"In answer to certain proposals presented to this Court by the Overseers of HARVARD COLLEGE, as an appendix to the College Charter, it is ordered, —

* The above is a copy of the original Charter, engrossed on parchment, under the signature of Governor Dudley, with the Colony seal appendant, in the custody of the President and Fellows of Harvard College. The Charter, varying slightly in phraseology, is also contained in the Records of the General Court, Vol. IV. page 10.

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"The Corporation shall have power, from time to time, to make such orders and by-laws, for the better ordering, and carrying-on of the work of the College, as they shall see cause, without dependence upon the consent of the Overseers foregoing. *Provided always*, that the Corporation shall be responsible unto, and those orders and by-laws shall be alterable by, the Overseers, according to their discretion.

"And when the Corporation shall hold a meeting, and agreeing with college servants, for making of orders and by-laws, for debating and concluding of affairs concerning the profits and revenues of any lands or gifts, and the disposing thereof, (provided that all the said disposals be according to the will of the donors), for managing of all emergent occasions, for the procuring of a general meeting of the Overseers and Society in great and difficult cases, and in cases of non-agreement, and for all other college affairs to them pertaining, — in all these cases the conclusion shall be valid, being made by the major part of the Corporation, the President having a casting vote. *Provided always*, that, in these things also, they be responsible to the Overseers as aforesaid.

"And in case the Corporation shall see cause to call a meeting of the Overseers, or the Overseers shall think good to meet of themselves, it shall be sufficient unto the validity of college acts, that notice be given to the Overseers in the six towns mentioned in the printed law, anno 1642, when the rest of the Overseers, by reason of the remoteness of their habitations, cannot conveniently be acquainted therewith."*

The Corporation and the Board of Overseers remain to the present time the governing powers of the University; and this charter is now in force precisely as first drafted in 1650, notwithstanding that several attempts were made, during the first fifty years of its existence, to alter it or to substitute another in its place.

The first attempt of this kind occurred in 1672, when an ordinance was passed by the General Court, which was intended as a substitute for the existing charter. It altered the name of the Corporation from "President and Fellows of Harvard College" to that of "President, Fellows, and Treasurer of Harvard College;" it modified their powers in some respects, and granted important additional ones, civil and collegiate. But, although this charter is entered at large in the journal of the General Court, it does not appear in the records of the College, nor is any notice taken of it in the general history of the times. It is certain that the Corporation never assumed the name given by the Act, and there exists no evidence that they ever modified their proceedings according to its provisions.

The next attempt was made in 1692. No sooner was the Provincial

* This act is taken from the Records of the General Court, Vol. IV. page 265.

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government organized under the charter of William and Mary, than a bill for a new charter for the College was passed by the General Court. This charter, which was the work of President Increase Mather, increased the number of members of the Corporation to ten, and conferred upon them some extraordinary powers. Above all, it vested all powers in the ten members of the Corporation absolutely, without any control or responsibility, making no provision for a Board of Overseers or for a visitatorial power of any kind. After passing the General Court, and receiving the approbation of the governor, this charter was sent to England for the approval of the King. Meanwhile the Corporation established by it, without waiting for the King's decision, entered at once upon the exercise of their powers. The charter was negatived by the King in Council, "on the ground of its not providing for a visitation of the King by his governor."

The constitution of the College seems to have been a favorite subject for political managers during the time of Increase Mather. No less than three different charters, which would have essentially changed the organization of the College, were proposed in the years 1696, 1697, and 1699, respectively, and passed both branches of the Colonial Legislature; but for want of the executive or royal sanction no one of them went into permanent operation. In 1700 a new draft of a charter was prepared "to be solicited for to his Majesty," which passed both branches of the Legislature; but it was never presented to the King, and no subsequent attempt was ever made to obtain a college charter from the Crown.

After the constitution of the College had been for a number of years in this unsettled condition, and after repeated attempts to obtain a new charter had all failed, the General Court in 1707 passed the following vote, reasserting the integrity and force of the Charter of 1650, and it remains "the venerable source of collegiate authority" to this day.

"EXTRACT FROM A RESOLVE OF THE PROVINCIAL GENERAL COURT, PASSED A.D. 1707, DECLARING THE COLLEGE CHARTER OF 1650 NOT REPEALED, AND DIRECTING THE PRESIDENT AND FELLOWS OF THE COLLEGE TO EXERCISE THE POWERS GRANTED BY IT.

"*At a Great and General Court for her Majesty's Province of the Massachusetts Bay, begun and held at Boston upon the 28th of May*, 1707, *and continued by several prorogations unto the 29th of October following, being the third session.*

"IN COUNCIL.

"*Thursday, December* 4, 1707.

"And inasmuch as the first foundation and establishment of that House [Harvard College, in Cambridge], and the government thereof,

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had its original from an act of the General Court, made and passed in the year 1650, which has not been repealed or nulled, — the President and Fellows of the said College are directed, from time to time, to regulate themselves according to the rules of the Constitution by the said Act prescribed, and to exercise the powers and authorities thereby granted for the government of that House, and the support thereof.

"*Saturday, December* 6, 1707.

"The Representatives returned the Vote passed in Council, the 4th current, referring to the College, with their concurrence thereunto.

"By his Excellency the Governor, consented to,

"JOSEPH DUDLEY."*

In 1780, when a Constitution was framed for the new Commonwealth of Massachusetts, the following Articles were introduced, securing to the President and Fellows of Harvard College the perpetual enjoyment of all their vested rights and powers, and providing for the organization of the Board of Overseers.

"THE ARTICLES OF THE CONSTITUTION OF THE COMMONWEALTH OF MASSACHUSETTS, CONFIRMING AND SECURING TO HARVARD COLLEGE THE PERPETUAL POSSESSION AND ENJOYMENT OF ALL ITS ESTATES, RIGHTS, POWERS, AND PRIVILEGES.

"CHAPTER V.

"SECT. I. — *The University.*

"ARTICLE 1. — Whereas our wise and pious ancestors, so early as the year one thousand six hundred and thirty-six, laid the foundation of HARVARD COLLEGE, in which University many persons of great eminence have, by the blessing of God, been initiated in those arts and sciences which qualified them for public employments both in Church and State; and whereas the encouragement of arts and sciences and all good literature tends to the honor of God, the advantage of the Christian religion, and the great benefit of this and the other United States of America, — It is declared that the *President and Fellows of Harvard College* in their corporate capacity, and their successors in that capacity, their officers and servants, shall have, hold, use, exercise, and enjoy all the powers, authorities, rights, liberties, privileges, immunities, and franchises which they now have, or are entitled to have, hold, use, exercise, and enjoy; and the same are hereby ratified and confirmed

* This resolve is taken from the Records of the General Court, Vol. VIII. page 344.

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unto them, the said President and Fellows of Harvard College, and to their successors, and to their officers and servants respectively, for ever.

"ART. 2. — And whereas there have been at sundry times, by divers persons, gifts, grants, devises of houses, lands, tenements, goods, chattels, legacies, and conveyances, heretofore made either to Harvard College, in Cambridge, in New England, or to the President and Fellows of Harvard College, or to the said College by some other description, under several charters successively, — It is declared that all the said gifts, grants, devises, legacies, and conveyances are hereby for ever confirmed unto the President and Fellows of Harvard College, and to their successors in the capacity aforesaid, according to the true intent and meaning of the donor or donors, grantor or grantors, devisor or devisors.

"ART. 3. — And whereas, by an Act of the General Court of the Colony of Massachusetts Bay, passed in the year one thousand six hundred and forty-two, the Governor and Deputy-Governor for the time being, and all the magistrates of that jurisdiction, were with the President, and a number of the clergy in the said Act described, constituted the Overseers of Harvard College; and it being necessary, in this new Constitution of government, to ascertain who shall be deemed successors to the said Governor, Deputy-Governor, and magistrates, — It is declared that the Governor, Lieutenant-Governor, Council, and Senate of this Commonwealth are and shall be deemed their successors; who with the President of Harvard College for the time being, together with the ministers of the Congregational churches in the towns of Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, mentioned in the said Act, shall be, and hereby are, vested with all the powers and authority belonging or in any way appertaining to the Overseers of Harvard College. *Provided*, that nothing herein shall be construed to prevent the Legislature of this Commonwealth from making such alterations in the government of the said University as shall be conducive to its advantage, and the interests of the republic of letters, in as full a manner as might have been done by the Legislature of the late Province of the Massachusetts Bay."

It remains to notice certain changes in the constitution of the Board of Overseers, relating to eligibility to office, mode of appointment or election, and the connection between the College and the Commonwealth. The first important change occurred in the year 1810. The reasons which led to this change are thus given by President Quincy: * —

"By the Act of 1642, the magistrates of the colony and the teaching elders of specified Congregational churches formed, *ex officio*, that board; and its constitution comprised no principle by which individuals partic-

* History of Harvard University, Vol. II. page 294.

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ularly qualified could be elected members. At that early period the statesmen and clergy generally included almost all the educated men in the community, and the Board of Overseers, therefore, was then as wisely constituted perhaps as the condition of the colony permitted. But, in the course of a century and a half other classes of men rose into power and influence, and it became desirable that they also should be brought into efficient connection with the College, — and that the Overseers should possess the power of placing at their board individuals particularly qualified, by their talents or attainments, for the superintendence and patronage of a literary institution. In 1780, the critical and disturbed state of the times rendered it inexpedient to attempt any change in the constitution of the seminary, except such as the frame of the Constitution of the Commonwealth made necessary. The disposition, however, to introduce new influences into the management of the institution was at that time indicated by the election of James Bowdoin into the Corporation, the first individual ever selected as a member of the board, with the exception of the Treasurers, who was not either a clergyman, a professor, or tutor. Experience having shown the advantage of this deviation from the ancient practice, the friends of the College became convinced that important benefits would result, if a right to a seat in the Board of Overseers should be no longer incidental and casual, but be made elective and permanent, with a reference to the qualifications of the individual and his local situation. It was also thought desirable that the right of being eligible to the board should no longer be confined, with regard to the clergy, to the towns specified in the Act. The inconvenience arising to members of the Senate from the duty of attending to the business of the College during the session of the Legislature, and their want of interest in the institution from the remoteness of their residence, led many of them, from considerations unconnected with political feeling or prejudices, to desire to be relieved from that service."

An Act was passed by the State Legislature in March, 1810, which changed the organization of the Board in conformity with these views. It is called an "Act to alter and amend the Constitution of the Board of Overseers of Harvard College, and consists of six sections." By the first it is enacted that "The Governor, Lieutenant-Governor, Counsellors, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, and the President of Harvard College for the time being, with fifteen ministers of Congregational churches and fifteen laymen, all inhabitants within the State, to be elected as is hereafter mentioned, shall for ever hereafter constitute the Board of Overseers of Harvard College."

The second and fifth sections provide for the election of the ministers

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and laymen, the said elections being made by the ballots of the major part of the Overseers present at a legal meeting.

The third section relates to the choice and duties of a Secretary, the time and manner of meeting, and the duty of presiding at the meetings.

The fourth section specifies when the seat of a minister or of a member shall become vacant, and confers the power of removal from office in certain cases.

The sixth and last section is as follows:—

"This Act shall be in force when the Overseers of Harvard College, as heretofore constituted, and the President and Fellows of Harvard College, shall agree to accept the provisions in this Act contained."

The principle that the State could not change the constitution of the College, without the consent of the Corporation and Overseers, was thus distinctly recognized; and the chartered rights of the College were respected and maintained, at the same time that a more efficient organization was established for the Board of Overseers.

The provisions of this Act were accepted by the President and Fellows on the 16th of March, 1810; and by the Overseers on the 12th of April, in the same year.

In 1812, the opponents of the Act of March, 1810, obtained dominant influence in all the branches of the State government; and on the 29th of February, the Legislature, in direct opposition to a memorial from the Corporation, and without making any provision for the consent of the Corporation or Overseers, repealed the Act of March, 1810, and enacted that the Board of Overseers should thereafter be constituted precisely as prior to the last-mentioned Act. The validity of this action on the part of the Legislature was questioned by the Corporation and Overseers, and an appeal to the Supreme Judicial Court was proposed, though never actually made. The Board of Overseers, as organized by the new Act of 1812, met on the 8d of June of that year, and continued to exercise their powers under the authority of this Act until February, 1814, when the Legislature passed an Act "to restore the Board of Overseers of Harvard College, and to make an addition thereto." By this Act the Act passed in 1812, repealing that of 1810, was itself repealed, and the "Senate of the Commonwealth was added to the Board of Overseers constituted by the Act of March, 1810;" and it was declared that "the Senate shall, together with the persons mentioned in the said last-mentioned Act (that of 1810), hereafter constitute the Board of Overseers of Harvard College." This Act also contained the provision that it should not take effect until it was accepted by the Overseers and by the President and Fellows of Harvard College. The Act was accepted by both Boards in March of the same year.

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Until 1834, clergymen, to be eligible to the Board of Overseers, must be Congregationalists; but an Act was passed by the Legislature of that year opening the Board to clergymen of all denominations, — the Act to take effect whenever accepted by both branches of the College government. It was accepted by them in 1843.

Another Act, "to change the organization of the Board of Overseers," was passed in 1851. It made the Board to consist of

"The Governor, Lieutenant-Governor, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, the Secretary of the Board of Education, and the President and Treasurer of Harvard College, for the time being, together with thirty other persons, as hereinafter defined and described, and no others."

The Act also divided the Board into six equal classes, to be elected and to go out of office in rotation, as described in the following sections: —

"SECT. 3. — The thirty persons, who, in addition to the *ex-officio* members thereof, now constitute the Board of Overseers, shall be divided into three classes of ten each, by lot or otherwise, as they themselves may determine; and the persons of the first class shall go out of office on the day of the next annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives of the Commonwealth, assembled in one room; and the persons of the second class shall go out of office on the day of the annual meeting of the General Court, which will be in the year onethousand eight hundred and fifty-three, and their places be supplied in like manner by joint ballot of the Senators and Representatives; and the persons of the third class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-four, and their places be supplied in like manner by joint ballot of the Senators and Representatives. *Provided* that the persons of each of the said outgoing classes shall continue in office for two months after the day of the said annual meeting of the General Court, unless their successors shall have been sooner chosen by the Senators and Representatives.

"SECT. 4. — When the Board of Overseers shall have been wholly renewed in the manner prescribed in the foregoing section, the members thereof shall be divided into six equal classes, by subdivision of the previous classes into two each, according to lot or otherwise, as the Board may determine, and having regard to seniority of service among the said previous classes in arranging the order of precedence of the new series; and the said six classes shall thereafter go out of office in rotation, and in order of precedence as thus defined, one at each successive annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives."

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This Act was not to go into effect until "the Board of Overseers, as heretofore constituted, and the President and Fellows of Harvard College respectively, at meetings held for that purpose during the present session of the General Court, shall by vote have assented to the same." The two Boards concurred as required.

Meanwhile an opinion was everywhere gaining ground that it would be better for the community and the interests of learning, as well as for the University, if the power to elect the Overseers were transferred from the Legislature to the graduates of the College. A bill to this effect was introduced into the Senate in 1854, which passed through most of the preliminary stages, but failed to be enacted; partly, as it was thought at the time, from the pressure of business at the close of the session. The purpose was finally carried out in 1865, by the passage of the following "Act in relation to the Board of Overseers of Harvard College:" —

"AN ACT

IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"SECTION 1. — The places of the successive classes in the Board of Overseers of Harvard College, and the vacancies in such classes, shall hereafter be annually supplied by ballot of such persons as have received from the College a degree of Bachelor of Arts, or Master of Arts, or any honorary degree, voting on Commencement Day in the city of Cambridge; such election to be first held in the year eighteen hundred and sixty-six; *provided, however*, that no member of the Corporation, and no officer of government or instruction in said College, shall be eligible as an Overseer, or entitled to vote in the election of Overseers; and *provided, further*, that no person who has received from said College the degree of Bachelor of Arts shall be entitled to vote for Overseers before the fifth annual election after the graduation of his class.

"SECT. 2. — The Board of Overseers shall annually appoint one principal and two or more assistant-inspectors of polls, who shall, on Commencement Day, from the hour of ten in the forenoon to the hour of four in the afternoon, at some place in said city of Cambridge, fixed by said Board, receive the votes for Overseers, and they shall sort and count such votes, and make public declaration thereof, after the closing of the polls; and said inspectors shall be provided with a complete list of the persons qualified to vote at such election, and no person shall vote until the inspectors find and check his name upon such list. The names of the persons voted for, the number of votes received for each person, and the vacancy or place in said Board for which he is proposed, shall be entered in words at length, by said inspectors, upon a record kept by them for that purpose, which shall, after such election, be forthwith

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made up, signed, and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places or vacancies in said Board shall, to the number of Overseers to be elected, be deemed and shall be declared by said Board elected to be members thereof.

"SECT. 3. — The Board of Overseers shall give notice of the place of the polls, the hours during which they are open, and the number of Overseers to be elected, by publishing the same at least ten days before Commencement Day in some newspaper printed in the city of Boston.

"SECT. 4. — The terms of office of the existing classes of Overseers are extended to the close of Commencement Day of the year in which such terms severally expire; the terms of office of the classes hereafter elected shall successively expire at the close of Commencement Day each year in their order; and the persons elected Overseers on any Commencement Day, shall supply the places of the class of Overseers which goes out of office at the close of that day, and the vacancies then existing in said Board.

"SECT. 5. — Whenever there shall be a failure on Commencement Day to supply any places or vacancies in the Board of Overseers, the same may be filled by vote of the remaining Overseers; and any person elected to fill a vacancy shall be deemed to be a member of and to go out of office with the class to which his predecessor belonged.

"SECT. 6. — The Governor, Lieutenant-Governor, President of the Senate, Speaker of the House of Representatives, and Secretary of the Board of Education, shall not be *ex-officio* members of the Board of Overseers of Harvard College after this Act shall be in force.

"SECT. 7. — This Act shall be in force when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote have assented to the same.

"SECT. 8. — This Act shall not be construed as in the nature of a contract or a charter, but may at any time be repealed at the pleasure of the Legislature." [April 28, 1865.]

This Act, having been duly assented to by the Overseers on the 21st of September, 1865, and by the President and Fellows on the 15th of December of the same year, is now the law; and it may be regarded as evidence of the wisdom of this transfer of power to the graduates, that analogous changes have already been made in the constitution of several other colleges.

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STATUTES OF THE UNIVERSITY.

1. THE UNIVERSITY. Harvard University comprehends the following departments: Harvard College, the Divinity School, the Law School, the Medical School, the Dental School, the Lawrence Scientific School, the Museum of Comparative Zoölogy, the Bussey Institution (a School of Agriculture), the College Library, and the Astronomical Observatory. The Peabody Museum of American Archæology and Ethnology is a constituent part of the University; but its relations to the University are affected by peculiar provisions.

2. PRESIDENT. It is the duty of the President of the University to call meetings of the Corporation, and preside at the same; to act as the ordinary medium of communication between the Corporation and the Overseers, and between the Corporation and the Faculties; to make an annual report to the Overseers on the general condition of the University; to preside on public academic days; to preside over the several Faculties; to direct the official correspondence of the University; to acquaint himself with the state, interests, and wants of the whole institution; and to exercise a general superintendence over all its concerns. For the better discharge of these duties, he must live in Cambridge.

3. TREASURER. The Treasurer has the custody of all the property of the University, and is required to give bonds for the faithful performance of his duty. He is also required to submit his accounts, and all evidences of the property under his charge, to the committees of inspection appointed by the Corporation and Overseers severally, and to make annually to the Overseers a statement of the receipts and expenditures of the University.

The Bursar and the Superintendent of Buildings are under the direction of the Treasurer, and are his agents in Cambridge.

All officers who are intrusted with property belonging to the University are required to keep inventories of the same, which are subject to the inspection of the Treasurer; and to have all such property designated as University property by suitable marks.

4. TENURES OF OFFICE. In all departments of the University, professorships are held without express limitation of time. Assistant professorships are held for five years, and tutorships for not more than three years. At the end of the term of an assistant professor or tutor, his connection with the University ceases, unless he be reappointed. Lecturers are appointed for not more than one year. Instructors are appointed for such terms as convenience may require. Tutors and instructors are responsible, in regard to their subjects and methods of

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teaching, to the professors in their respective branches of study. Proctors are appointed to assist the Faculties in the conduct of examinations, and in the preservation of order within the University precincts. All officers of instruction and government are subject to removal for inadequate performance of duty, or for misconduct.

5. ACADEMIC COUNCIL. The Academic Council consists of the President, Professors, and Assistant Professors of the University. The Council is empowered to recommend to the President and Fellows candidates for the degrees of Master of Arts, Doctor of Science, and Doctor of Philosophy.

6. FACULTIES. Harvard College and the several Schools of the University are each under the immediate charge of a Faculty. All professors, assistant professors, and tutors, and all instructors appointed for a term longer than one year are members of the Faculty of the college or school in which they teach, unless exempted by a peculiar tenure of office, or by a special vote of the Corporation and Overseers.

7. DEANS. Each Faculty has a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of that Faculty. It is the duty of a Dean to conduct the correspondence of his college or school, to superintend all its clerical and administrative business; to prepare the business for the meetings of his Faculty, to execute its orders and regulations, to preside at its meetings in the absence of the President, and to make an annual report to the President. To assist the dean of a college or school in the discharge of these duties, the Corporation appoints, when necessary, a Registrar or Secretary.

8. ACADEMIC YEAR. The Academic year begins on the Thursday following the last Wednesday in September. The annual Commencement is held on the last Wednesday in June. The vacation begins at Commencement, and ends on the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Wednesday before Fast Day, and ends on the Tuesday after Fast Day. Thanksgiving Day is a holiday.

9. DEGREES. The ordinary degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Divinity, Bachelor of Laws, Doctor of Medicine, Doctor of Dental Medicine, Civil Engineer, and Mining Engineer, are conferred, after recommendation by the several Faculties, by vote of the Corporation, with the consent of the Overseers. The ordinary degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science, are conferred, after recommendation of the Academic Council, by vote of the Corporation, with the consent of the Overseers. It is required that no candidates for the ordinary degrees be recommended, except after thorough public examination, and a residence at the University, of at least one year. There are four grades of the degree of

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Bachelor of Arts, two grades of the degree of Bachelor of Laws, and three grades of the degree of Bachelor of Science and of the degree of Mining Engineer.

Honorary degrees are conferred by vote of the Corporation, with the consent of the Overseers. The degrees conferred by the University are announced at commencement.

10. Bonds and Registration. Every student must, on his admission to any department of the University, give a bond to the Treasurer or the Bursar, in such a sum as shall from time to time be determined by the Corporation, for the payment of his dues to the University; or he must make payment in advance, or secure payment by a deposit. He must then enter his name, and such other particulars as may be required by the several Faculties, respectively, with the Dean of his Faculty.

11. Discipline. The respective Faculties have authority to impose fines and levy assessments for damage done to property; to inflict, at their discretion, the penalties of admonition, suspension, dismission, and expulsion; and to use all other appropriate means of discipline; but no student shall be separated from the University, either temporarily or permanently, by a vote of less than two-thirds of the members of his Faculty present and voting thereon.

Suspension is a separation from the University for a fixed period of time. It may be accompanied with a requirement of residence in a specified place, and of the performance of specified tasks. Dismission closes a student's connection with the University, without necessarily precluding his return. Expulsion is the highest academic censure, and is a final separation from the University.

STATUTES AFFECTING THE SEVERAL DEPARTMENTS OF THE UNIVERSITY.

The College.

12. Parietal Committee. The proctors and the officers of instruction who reside within the college walls, or in buildings to which the superintendence of the College extends, constitute the Parietal Committee. It is their duty to take cognizance of offences against good order and decorum, and to attend daily prayers.

13. Registrar. It is the duty of the Registrar of the College, under the general direction of the Dean, to superintend admission examinations; to keep the records of admission, of attendance, and of conduct; to prepare all scales of scholarship; to receive petitions from students to the Faculty; to conduct ordinary business with the students; and to keep a record of the proceedings of the Faculty. It is also his duty, unless he be specially exempted therefrom, to act as chairman of the Parietal Committee, to keep a record of its proceedings, to execute its votes, and to assign members of the Committee to duty.

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14. Religious Services. Daily prayers are held in the Chapel during term time, at which the attendance of the students is required.

Any student may pass Sundays with his family, or, at the discretion of the Faculty, with the family of such person as his father or guardian may designate, upon notice in writing given to the Dean at the beginning of each academic year by the father or guardian, or by the student himself if he is of age.

Every student who does not pass Sundays with his own family, or with some other designated as above described, is required to attend public worship on each Sunday morning during term time; if a minor, at such place as his father or guardian may designate by a writing addressed to the Dean at the beginning of each academic year; if of age, at such place as he himself may select, which selection must be made by a writing delivered to the Dean at the beginning of each academic year.

Seats are provided, at the expense of the College, for all students who attend the Sunday services of the several religious denominations having established places of worship in the immediate vicinity of the College.

The Divinity School.

15. No assent to the peculiar doctrines or practices of any denomination of Christians is required of instructors or students in the Divinity School.

The College Library.

16. The College Library in Gore Hall is for the use of the whole University. Its privileges are also granted, under special regulations, to persons not connected with the University.

The general control and oversight of the Library is committed to the Council of the Library, consisting of the President, the Librarian, and six other persons, who are appointed by the Corporation, with the consent of the Overseers, for the term of three years. Any vacancy occurring in the Council is filled in the same manner for the unexpired portion of the term.

It is the duty of the Council to make rules for the administration of the Library; to direct the purchase of books, to the extent of the funds applicable for that purpose; and to visit and inspect the Theological, Law, Medical, and other special libraries.

The Librarian and the Assistant Librarians are chosen in the same manner as officers of instruction and government, and are under the same liability to removal.

The Librarian has the care and custody of the Library. It is his duty to superintend its internal administration, enforce the rules, and conduct the correspondence; and to make annually a written report on the condition of the Library to the Library Committee of the Overseers and to the Corporation.

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GOVERNING BOARDS OF THE UNIVERSITY.

CORPORATION.*

PRESIDENT.

CHARLES WILLIAM ELIOT, LL.D., Cambridge.

FELLOWS.

FRANCIS PARKMAN, A.M., 50 Chestnut St., Boston.
MARTIN BRIMMER, A.B., 47 Beacon St., Boston.
JOSEPH HENRY THAYER, D.D., Andover.
JOHN QUINCY ADAMS, A.B., Quincy.
ALEXANDER AGASSIZ, A.B., S.B., Cambridge.

TREASURER.

EDWARD WILLIAM HOOPER, A.B., LL.B., Cambridge.

OVERSEERS.

The PRESIDENT and TREASURER of the University, *ex officio*, and the following persons by election: —

1880.†

EBENEZER ROCKWOOD HOAR, LL.D., *President*, Concord.
THEODORE LYMAN, A.B., S.B., Brookline.
SAMUEL ABBOTT GREEN, A.M., M.D., 25 Kneeland St., Boston.
GEORGE OTIS SHATTUCK, A.B., LL.B., 8 Marlborough St., Boston.
JOHN LOWELL, LL.D., Chestnut Hill.

1881.

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WILLIAM GOODWIN RUSSELL, LL.D., 18 West Cedar St., Boston.
MORRILL WYMAN, A.M., M.D., Cambridge.
EDWARD EVERETT HALE, D.D., 39 Highland St., Roxbury.

1882.

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MOORFIELD STOREY, A.M., Brookline.
WILLIAM CROWNINSHIELD ENDICOTT, A.B., Salem.
HENRY WILLIAM PAINE, LL.D., Cambridge.
LEVERETT SALTONSTALL, A.M., Chestnut Hill.

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† The term expires, in each case, on Commencement Day of the year indicated. See p. 23, sect. 4.

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1883.

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WILLIAM AMORY, A.M., 41 Beacon St., Boston.
FRANCIS GREENWOOD PEABODY, A.M., S.T.B., Cambridge.

1884.

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1885.

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JAMES FREEMAN CLARKE, D.D., Jamaica Plain.
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† For Abbreviations, see page 9. The residence is in Cambridge, unless otherwise stated. No residence is given, if the officer is absent for the year.

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HENRY GROSVENOR CAREY, *Instructor in Vocal Music*, 5 Ashburton Pl., Boston.
HOWARD MALCOM TICKNOR, A.M., *Instructor in Elocution*, Jamaica Plain.
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THOMAS SERGEANT PERRY, A.M., *Instructor in English*, 312 Marlborough St., Boston.

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EDWARD LAURENS MARK, PH.D., *Instructor in Zoölogy*, 48 Shepard St.
JAMES LAURENCE LAUGHLIN, PH.D., *Instructor in Political Economy*, 21 Buckingham St.
GIORGIO ANACLETO CORRADO BENDELARI, A.B., *Instructor in Modern Languages*, C. 5.
HARRY BLAKE HODGES, *Instructor in Chemistry and German*, H. 15.
GEORGE RIDDLE, A.B., *Instructor in Elocution*, 6 Arrow St.
WILLIAM SILSBEE FENOLLOSA, A.M., *Instructor in Music*, 14 Winter St., Boston.

Divinity School.

JOSEPH HENRY ALLEN, A.M., *Lecturer on Ecclesiastical History*, 5 Garden St.
GEORGE HOLMES HOWISON, A.M., *Lecturer on Ethics*, Grantville.

Law School.

HENRY HOWLAND, PH.D., LL.B., *Instructor*, Wadsworth House 1.

Medical School.

CHARLES FOLLEN FOLSOM, A.M., M.D., *Lecturer on Hygiene and Mental Diseases*, State House, Boston.
FRANK WINTHROP DRAPER, M.D., *Lecturer on Forensic Medicine*, 86 Worcester St., Boston.
GEORGE FREDERIC HOLMES MARKOE, *Instructor in Materia Medica*, 6 Warren St., Boston.

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FRANCIS BOOTT GREENOUGH, A.M., M.D., *in Syphilis*, 17 Charles St., Boston.
SAMUEL GILBERT WEBBER, A.B., M.D., *in Diseases of the Nervous System*, 756 Tremont St., Boston.
EDWARD WIGGLESWORTH, A.M., M.D., *in Syphilis*, 108 Boylston St., Boston.
CLARENCE JOHN BLAKE, M.D., *in Otology*, Hotel Berkeley, Boston.
JOHN ORNE GREEN, A.M., M.D., *in Otology*, 12 Beacon St., Boston.
JAMES JACKSON PUTNAM, A.B., M.D., *in Diseases of the Nervous System*, 68 Marlborough St., Boston.

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THOMAS MORGAN ROTCH, A.B., M.D., *in Diseases of Children*, 77 Marlborough St., Boston.

Dental School.

ARTHUR TRACY CABOT, A.M., M.D., *Instructor in Oral Pathology and Surgery*, 11 Park Sq., Boston.

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JOHN THOMAS CODMAN, D.M.D., 847 Columbus Ave., Boston.
SAMUEL FRANKLIN HAM, D.M.D., Hotel Bristol, Boston.
TIMOTHY OTIS LOVELAND, D.M.D., Hotel Bristol, Boston.
CHARLES WILSON, D.M.D., 12 West St., Boston.
ARTHUR BENTON JEWELL, D.M.D., Newton.
EDWIN PERLEY BRADBURY, D.M.D., 124 Commonwealth Ave., Boston.

Bussey Institution.

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JOHN FLEMING WHITE, S.B., *Assistant in Chemistry*, Wadsworth House 9.
FRANK WALDO, S.B., *Assistant in the Observatory*, 26 Garden St.
CLEMENT WALKER ANDREWS, A.B., *Assistant in Organic Chemistry*, H. 25.
LESTER SACKETT FORD, B.A.S., *Demonstrator in Zoölogy*, Jamaica Plain.

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WILLIAM FISKE WHITNEY, A.B., M.D., *Curator of the Anatomical Museum*, 90 Charles St., Boston.
JOHN HIMES ARNOLD, *Librarian of the Law School*, 10 Frisbie Pl.
CHARLES BROWN ELDER, A.B., *Librarian of the Divinity School*, D. 29.
ARTHUR GORHAM DAVIS, *Keeper of Corporation Accounts and Records*, 70 Water St., Boston.
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WILLIAM JAMES, *Assistant Professor of Physiology.*
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ALLEN W. GOULD, *Tutor in Latin.*
EDWARD S. SHELDON, *Tutor in German.*
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ROBERT W. WILLSON, *Tutor in Physics.*
GEORGE R. BRIGGS, *Tutor in Mathematics.*
LOUIS DYER, *Tutor in Greek.*
LE BARON R. BRIGGS, *Tutor in Greek.*
DUDLEY A. SARGENT, *Assistant Professor of Physical Training.*
FREDERICK LUTZ, *Tutor in German.*

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WILLIAM E. BYERLY,	W. 7.
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Allen, Russell Carpenter,	*Cambridge,*	H'y 19.
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Almy, Frederic,	*New Bedford,*	G. 33.
Andrews, William Shankland,	*Syracuse, N.Y.,*	W. 40.
Atwood, Charles Edward,	*Exeter, N.H.,*	C. 9.
Bacon, Robert,	*Jamaica Plain,*	Little's Block 20.
Baldwin, Henry Cutler,	*Somerville,*	S. 32.
Barrows, Morton,	*Reading,*	T. 19.
Barstow, Henry Taylor,	*Boston,*	W. 37.
Bartlett, Nathaniel Cilley,	*Nottingham, N.H.,*	H. 1.
Beale, Charles Frederic Tiffany,	*Kinderhook, N.Y.,*	H'y 10.
Bement, Gerard,	*Lowell,*	W. 32.
Benton, Charles Horace,	*Cleveland, O.,*	S. 24.
Billings, Sherard,	*Quincy,*	16 Dunster St.
Bishop, Robert Roberts,	*Newton Centre,*	H'y 17.
Bissell, Herbert Porter,	*Lockport, N.Y.,*	W. 45.
Blair, Charles Benton,	*Grand Rapids, Mich.,*	M. 43.
Blodgett, William Tilden,	*New York, N.Y.,*	Little's Block 25.
Bond, Hugh Lennox,	*Baltimore, Md.,*	H'y 12.
Brackett, Frank Herbert,	*Jamaica Plain,*	H'ke 27.
Bradford, Russell,	*Cambridge,*	375 Harvard St.
Bradley, Charles Wesley,	*Cambridge,*	757 Main St.
Breed, Amos Franklin,	*Lynn,*	M. 35.
Brigham, Clifford,	*Salem,*	G. 6.
Brigham, Nat Maynard,	*Natick,*	410 Harvard St.
Brown, John Augustus,	*Exeter, N.H.,*	
Brown, Louis Mayo,	*Glens Falls, N.Y.,*	W. 32.
Buckley, Philip Townsend,	*South Boston,*	27 Swan St., So. Boston.
Butler, George Minot,	*Northampton,*	W. 45.
Cabot, Francis Elliot,	*Brookline,*	T. 42.
Carpenter, Frank Oliver,	*Cambridge,*	6 Mt. Auburn St.
Carruth, Ignatius Sumner,	*Boston,*	H'ke 27.
Chapin, Henry Bainbridge,	*New London, Conn.,*	M. 42.
Chapman, Charles Henry,	*Boston,*	S. 16.
Chase, George Thorndike,	*Salem,*	G. 14.
Cole, Walter,	*Baltimore, Md.,*	Beck Hall 32.
Collison, Harvey Newton,	*Boston,*	Boston.
Cook, William Hoff,	*Oakland, Cal.,*	M. 48.
Davis, Charles Stevenson,	*Plymouth,*	M. 17.
Doane, John,	*Charlestown,*	Dolton's Block 12.

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Dodd, Edwin Merrick,	*Worcester,*	T. 53.
Dodge, Frank Faden,	*Woburn,*	G. 18.
Dwight, Jonathan,	*New York, N.Y.,*	T. 20.
Eaton, Arthur Wentworth Hamilton,	*Kentville, N.S.,*	78 Mt. Auburn St.
Edwards, Pierrepont,	*Elizabeth, N.J.,*	5 Linden St.
Ellis, Ralph Nicholson,	*New York, N.Y.,*	Little's Block 27.
Eustis, Herbert Hall,	*Cambridge,*	29 Kirkland St.
Fessenden, James Deering,	*Portland, Me.,*	W. 37.
Field, James Brainerd,	*Boston,*	C. 54.
Fish, Charles Everett,	*Watertown,*	Bigelow Ave., Mt. Auburn.
Foster, Charles Chauncey,	*Cambridge,*	140 Brattle St.
Fowler, Harold North,	*Westfield,*	H. 6.
French, Henry Gardner,	*Boston,*	W. 35.
Fuller, Eugene,	*Cambridge,*	18 Hilliard St.
Gardiner, Frederic,	*Middletown, Conn.,*	W. 48.
Gaston, William Alexander,	*Boston,*	H'y 16.
Geddes, James,	*Brookline,*	H. 14.
Gest, Joseph Henry,	*Cincinnati, O.,*	H'y 10.
Gilbert, Samuel Cotton,	*Milwaukee, Wis.,*	G. 10.
Gilley, Frank Milton,	*Chelsea,*	C. 47.
Gilman, John Bradley,	*Medford,*	C. 15.
Gooch, William Wallace,	*Melrose,*	H'ke 5.
Greeley, Louis May,	*Chicago, Ill.,*	H. 5.
Griswold, George,	*New York, N.Y.,*	1 Holyoke St.
Guild, Henry Eliot,	*Boston,*	H. 32.
Hale, Arthur,	*Roxbury,*	H'y 16.
Hall, Arthur Lawrence,	*Revere,*	C. 49.
Hall, Frederic Bound,	*Charlestown,*	C. 59.
Hall, William Dudley,	*Bridgeport, Conn.,*	44 Mt. Auburn St.
Hanscom, Arthur Lee,	*New York, N.Y.,*	Beck Hall 32.
Harrison, Mitchell,	*Philadelphia, Pa.,*	H'y 18.
Hart, Albert Bushnell,	*Cleveland, O.,*	S. 29.
Hatch, George Baptiste,	*Chelsea,*	H. 4.
Hawes, Edward Southworth,	*Boston,*	S. 32.
Henderson, Harold Gould,	*Staten Island, N.Y.,*	Beck Hall 5.
Hibbard, George Abiah,	*Buffalo, N.Y.,*	Hotel Brunswick, Boston.
Hills, William Henry,	*Somerville,*	Belmont St., Somerville.
Hines, Fletcher Stephen,	*Indianapolis, Ind.,*	W. 8.
Hobbs, Charles Austin,	*Exeter, N.H.,*	C. 9.
Hooper, William,	*Dorchester,*	Little's Block 22.
Houston, John Wesley,	*Lincoln, Del.,*	C. 63.
Howe, James Torrey,	*Kenosha, Wis.,*	H'y 5.
Huidekoper, Frank Colhoon,	*Meadville, Pa.,*	H'y 12.

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Hurst, Arthur,	*Brooklyn, N.Y.,*	26 Mt. Auburn St
Jackson, Henry,	*Boston,*	Little's Block 18.
Johnson, Laurence Henry Hitch,	*Braintree,*	H'y 17.
Jones, Henry Champion,	*Bangor, Me.,*	H. 6.
Jordan, Frederick Dolbier,	*Lawrence,*	C. 55.
Keene, Francis Bowler,	*Milwaukee, Wis.,*	Felton Building 11.
Kelley, George Reed,	*Haverhill,*	S. 11.
Kenneson, Thaddeus Davis,	*Andover,*	H. 13.
Kent, Percy,	*New York, N.Y.,*	G. 45.
Kilburn, Henry Whitman,	*Lowell,*	G. 1.
Lamson, John Lamson,	*New York, N.Y.,*	Little's Block 21.
Lea, Arthur Henry,	*Philadelphia, Pa.,*	W. 48.
Learned, William Pollock,	*Pittsfield,*	Wadsworth House 5.
Lester, James Louis,	*West Newton,*	D. 13.
Lum, Edward Harris,	*Chatham, N.J.,*	T. 20.
March, Charles Dudley,	*Staatsburgh, N.Y.,*	52 Brattle St.
Merrill, George White,	*Boston,*	404 Columbus Ave., Boston.
Messervy, George Passarow,	*Salem,*	W. 14.
Miller, Andrew,	*Albany, N.Y.,*	Little's Block 21.
Moors, Arthur Wendell,	*Boston,*	G. 38.
Morgan, Charles,	*New York, N.Y.,*	Little's Block 22.
Morison, Sanford,	*Quincy,*	S. 20.
Morse, Edward Irving,	*Marlboro',*	44 Mt. Auburn St.
Morss, Charles Henry,	*North Andover,*	C. 59.
Mould, David,	*Cambridge,*	C. 63.
Muzzey, Austin Kent,	*Cambridge,*	H'y 19.
Nickerson, Thomas White,	*Boston,*	W. 29.
Norton, Charles Phelps,	*Buffalo, N.Y.,*	G. 21.
O'Callaghan, William Francis,	*Milford,*	H. 23.
O'Keefe, John Aloysius,	*Salem,*	H'ke 39.
Opdycke, Leonard Eckstein,	*New York, N.Y.,*	G. 48.
Parker, Charles Albert,	*Boston,*	M. 50.
Pellew, William George,	*New York, N.Y.,*	H'y 23.
Pennypacker, James Lane,	*Philadelphia, Pa.,*	T. 56.
Perry, Arthur,	*Westerly, R.I.,*	T. 56.
Perry, George Murdock,	*Ashland,*	65 Ellery St.
Perry, Herbert Mills,	*New Ipswich, N.H.,*	S. 2.
Pew, Charles Hiram,	*Gloucester,*	H'ke 5.
Pew, William Andrews,	*Gloucester,*	Dolton's Block 12.
Pilsbury, Ernest Henry,	*Lewiston, Me.,*	H'ke 29.
Price, Wesley Frank,	*Lumberton, N.C.,*	C. 40.
Quincy, Josiah,	*Quincy,*	H'y 7.
Rand, Harry Seaton,	*Cambridge,*	H'ke 6.
Ranlett, Frederick Jordan,	*Auburndale,*	H'ke 45.

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Rhett, Walter Horton,	*Huntsville, Ala.*,	25 Holyoke St.
Richardson, William King,	*Longwood*,	Little's Block 4.
Rollins, Frank Blair,	*Columbia, Mo.*,	25 Holyoke St.
Roosevelt, Theodore,	*New York, N.Y.*,	16 Winthrop St.
Russell, Eugene Dexter,	*Watertown*,	410 Harvard St.
Saltonstall, Richard Middlecott,	*Chestnut Hill*,	G. 32.
Sanger, Chester Franklin,	*Cambridge*,	H'ke 6.
Savage, Henry Wilson,	*Boston*,	M. 55.
Sharp, William Beverly,	*San Francisco, Cal.*,	H'ke 38.
Shaw, Henry Russell,	*Boston*,	Little's Block 28.
Skinner, Samuel Wiggins,	*Cincinnati, O.*,	M. 9.
Smith, Frederick Mears,	*Cambridge*,	1 Chauncy St.
Smith, Walter Allen,	*Boston*,	H'y 7.
Stevens, William Stanford,	*Boston*,	T. 31.
Stow, Van Der Lynn,	*San Francisco, Cal.*,	H'y 24.
Suire, Frank Overton,	*Cincinnati, O.*,	M. 9.
Talbott, William Houston,	*Indianapolis, Ind.*,	H'y 5.
Taylor, Arthur,	*Yarmouth*,	T. 19.
Taylor, William George,	*New York, N.Y.*,	H. 16.
Tebbets, John Sever,	*Boston*,	M. 50.
Thomsen, John Jacob,	*Baltimore, Md.*,	W. 34.
Townsend, Howard,	*Albany, N.Y.*,	W. 8.
Trimble, Richard,	*New York, N.Y.*,	Beck Hall 41.
Tupper, Frederic Allison,	*Newtonville*,	52 Trowbridge St.
Turpin, Bradford Strong,	*Dorchester*,	G. 25.
Wakefield, John Lathrop,	*Dedham*,	G. 27.
Ware, Charles,	*Roxbury*,	H'y 15.
Warren, Charles Everett,	*Boston*,	H'ke 3.
Washburn, Charles Grenfill,	*Worcester*,	H'y 15.
Webb, Henry Randall,	*Washington, D.C.*,	G. 20.
Weimer, Albert Barnes,	*Philadelphia, Pa.*,	H'ke 45.
Weld, Christopher Minot,	*Jamaica Plain*,	M. 42.
Welling, Richard Ward Greene,	*New York, N.Y.*,	H'y 23.
Wheelan, Fairfax Henry,	*Santa Rosa, Cal.*,	H'y 24.
Whitcomb, Silas Merrick,	*Nunda, N.Y.*,	G. 29.
White, Franklin Davis,	*Milton*,	M. 39.
White, William Howard,	*Brookline*,	S. 5.
Whiting, Frederick Erwin,	*Cambridge*,	8 Cogswell Ave.
Wilkinson, Alfred,	*Syracuse, N.Y.*,	T. 33.
Williams, Otho Holland,	*Baltimore, Md.*,	Beck Hall 4.
Winlock, William Crawford,	*Cambridge*,	47 Langdon St.
Winsor, Robert,	*Winchester*,	H. 3.
Woodbury, John,	*Lynn*,	G. 2.

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JUNIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Abbe, Alanson Joseph,	*Dorchester,*	M. 28.
Adams, Joseph Henry,	*Washington, D.C.,*	W. 49.
Agnew, Howard,	*Columbia, S.C.,*	17 Dunster St.
Allen, Francis Bellows,	*New York, N.Y.,*	10 Oxford St.
Atkins, Charles Howard,	*Lynn,*	D. 1.
Atkinson, Edward Williams,	*Brookline,*	G. 46.
Bailey, Parker Nell,	*Boston,*	14 Rutland St., Boston.
Baker, Ezra Henry,	*Boston,*	W. 4.
Baker, Frank Woods,	*Boston,*	M. 28.
Barton, Frederick Otis,	*Cambridge,*	14 Dana St.
Bell, John Stuart,	*Louisville, Ky.,*	404 Harvard St.
Berry, Walter Van Rensselaer,	*Albany, N.Y.,*	Beck Hall 37.
Bliss, James,	*Long Meadow,*	C. 66.
Bond, John Charles,	*Cambridge,*	D. 12.
Borland, Benjamin Metcalf,	*Belfast, Me.,*	42 Brattle St.
Bradbury, William Howard,	*Cambridge,*	869 Harvard St.
Brandegee, Edward Deshon,	*Utica, N.Y.,*	H'ke 43.
Brewer, Edward Winslow,	*Jamaica Plain,*	G. 22.
Brewster, William,	*Boston,*	W. 28.
Bridgman, Lewis Jesse,	*Cambridge,*	760 Main St.
Brinsmade, William Gold,	*Washington, Conn.,*	D. 41.
Brooks, Edward,	*Boston,*	Little's Block 25.
Browne, Henry Rossiter Worthington,	*Boston,*	Little's Block 14.
Burdett, George Albert,	*Brookline,*	W. 18.
Carleton, John Fisher,	*Woods Holl,*	8 Prescott St.
Carr, Louis Brackett,	*Somerville,*	C. 25.
Chase, Harry Ward,	*Haverhill,*	T. 51.
Choate, William,	*Beverly,*	H. 17.
Clark, Louis Monroe,	*Dorchester,*	W. 2.
Cohen, Eugene Yancey,	*New York, N.Y.,*	467 Broadway.
Coolidge, Algernon,	*Boston,*	T. 30.
Coolidge, Charles Allerton,	*Boston,*	1 Holyoke St.
Coolidge, William Henry,	*Natick,*	S. 19.
Cordeiro, Frederic Joaquim Barbosa,	*Roxbury,*	H. 18.
Corse, Edwards,	*Chicago, Ill.,*	4 Prospect St.
Crawford, Fred Erastus,	*Watertown,*	95 Mt. Auburn St.
Crehore, Frederic Morton,	*Newton Lower Falls,*	W. 38.

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Davis, John Francis,	*San Francisco, Cal.*,	20 Lee St.
Dazey, Charles Turner,	*Lima, Ill.*,	102 Mt. Auburn St.
Delano, Charles Henry Leonard,	*New Bedford*,	W. 44.
De Windt, Heyliger Adams,	*Fishkill-on-Hudson, N.Y.*,	T. 5.
Dexter, George Tieknor,	*Boston*,	W. 19.
Driscoll, Robert Henry,	*Salem*,	H'ke 12.
Edwards, Richard,	*West Cleveland, O.*,	16 Oxford St.
Evarts, Prescott,	*Washington, D.C.*,	W. 49.
Farnsworth, John Prescott,	*Pawtucket, R.I.*,	S. 28.
Fay, Dudley Bowditch,	*Boston*,	Little's Block 12.
Fernald, Frank Clinton,	*Philadelphia, Pa.*,	Dolton's Block 17.
Fisher, George Chichester,	*Brooklyn, N.Y.*,	10 Oxford St.
Fiske, Frederic Augustus Parker,	*Somerville*,	C. 25.
Folsom, William Howard,	*Exeter, N.H.*,	S. 4.
Foster, Charles Henry Wheelwright,	*Brookline*,	W. 43.
Foster, Leonard,	*Cambridge*,	15 Oxford St.
Freeland, William,	*Syracuse, N.Y.*,	S. 31.
Gibbons, Joseph McKean,	*Boston*,	10 Oxford St.
Goddard, Farley Brewer,	*Malden*,	C. 64.
Godkin, Lawrence,	*New York, N.Y.*,	T. 39.
Greene, Herbert Eveleth,	*Cambridge*,	Felton Building 5.
Griswold, Almon Whiting,	*New York, N.Y.*	Dolton's Block 7.
Guild, Curtis,	*Boston*,	M. 18.
Hadley, Joseph Emerson,	*Marion*,	C. 1.
Haines, Howard Preston,	*Greenville, N.H.*,	H'ke 11.
Hammond, Samuel,	*Boston*,	G. 42.
Hardy, Frederic Wood,	*Boston*,	42 So. Russell St., Boston.
Harvey, Alexander,	*Baltimore, Md.*,	Little's Block 17.
Hawkins, Eugene Dexter,	*New York, N.Y.*,	Little's Block 1.
Hemenway, Charles Morrison,	*Somerville*,	G. 8.
Holder, Frederic Blake,	*Boston*,	M. 37.
Hough, Garry De Nerville,	*New Bedford*,	Felton Building 30.
How, Jared Slocum,	*Haverhill*,	8 Holyoke St.
Howard, Herbert Burr,	*Bellows Falls, Vt.*,	17 Dunster St.
Howe, James Robbins,	*Cambridge*,	1 Oxford St.
Howell, Edwin Cull,	*Asbury Park, N.J.*,	G. 16.
Huntington, Oliver Mayhew Whipple,	*Cambridge*,	25 Quincy St.
Hyams, Godfrey Michael,	*Boston*,	5 Jefferson Pl., Boston.
Hyde, Thomas Alexander,	*Lawrence*,	28 Wendell St.
Hyde, William,	*Lawrence*,	28 Wendell St.
Ivy, Thomas Parker,	*Gainesville, Ala.*,	M. 29.

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Jackson, Charles Hooper,	*San Francisco, Cal.*,	W. 10.
Jameson, Arthur Orcutt,	*East Medway*,	S. 9.
Jaretzki, Alfred,	*New York, N.Y.*,	467 Broadway.
Jeffries, John Amory,	*Boston*,	Little's Block 8.
Jelly, Arthur Carlton,	*Sacramento, Cal.*,	H'ke 11.
Johnson, John Norton,	*Cambridge*,	21 Mellen St.
Jones, Henry John Dixon,	*Brooklyn, N.Y.*,	341 Broadway.
Jones, Henry Olmstead,	*Columbus, O.*,	S. 31.
Joy, Frederick,	*Winchester*,	W. 47.
Joyce, George Frederick,	*Brookline*,	S. 5.
King, Moses,	*St. Louis, Mo.*,	12 Story St.
Knight, Fred Theron,	*Charlestown*,	M. 58.
Knowles, Arthur Jacob,	*Boston*,	G. 23.
Lamson, William Ayres,	*Newton Upper Falls*,	G. 16.
Lane, Edward Binney,	*Cambridge*,	107 Prospect St.
Lane, Gardiner Martin,	*Cambridge*,	H'y 6.
Lane, William Coolidge,	*Cambridge*,	19 Oxford St.
Lovering, Ernest,	*Cambridge*,	88 Kirkland St.
Lovett, Robert Williamson,	*Boston*,	M. 18.
Ludlow, James Bettner,	*New York, N.Y.*,	4 Story St.
Lummis, Charles Fletcher,	*Monson*,	
Lyon, George,	*St. Joseph, Mo.*,	23 Irving St.
McColl, Edgar William,	*San Jose, Cal.*,	H'ke 9.
McCurdy, Robert Henry,	*New York, N.Y.*,	Little's Block 20.
MacVeagh, Charles,	*Philadelphia, Pa.*,	
Markham, George Dickson,	*St. Louis, Mo.*,	G. 11.
Mason, Edward Palmer,	*Brookline*,	Dolton's Block 5.
Maude, John Edward,	*Fall River*,	26 Garden St.
Maxfield, Joseph Elwyn,	*Salem*,	H'ke 12.
May, Henry Farnham,	*Dorchester*,	M. 55.
Mayers, Alanson Herbert,	*Charlestown*,	C. 2.
Melcher, John Stevens,	*New York, N.Y.*,	T. 59.
Melledge, James Harold,	*Cambridge*,	335 Harvard St.
Merrill, Edward Roscoe,	*Andover*,	C. 70.
Mills, Abbot Low,	*Brooklyn, N.Y.*,	W. 43.
Mitchell, Charles Andrews,	*Cleveland, O.*,	S. 29.
Moody, Andrew Arthur,	*Haverhill*,	12 Story St.
Morgan, Morris Hicky,	*Cambridge*,	T. 12.
Morse, George Frederick,	*Clinton*,	M. 36.
Morse, Jacob Charles,	*Boston*,	G. 23.
Morse, Philip Sidney,	*Boston*,	M. 37.
Mueller, Otto,	*West Cleveland, O.*,	S. 15.
Munro, John Cummings,	*Lexington*,	T. 32.

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Nelson, Harry Leverett,	*Worcester,*	G. 50.
Nesmith, Joseph Aaron,	*Lowell,*	Little's Block 17.
Noyes, William,	*Malden,*	C. 64.
O'Callaghan, John William,	*Salem,*	S. 6.
Osborn, Charles Marcus,	*Rock Island, Ill.,*	M. 17.
Otis, James,	*Roxbury,*	M. 41.
Paine, James Leonard,	*Cambridgeport,*	T. 35.
Parmenter, James Parker,	*Arlington,*	H. 30.
Penrose, Boies,	*Philadelphia, Pa.,*	2 Gerry St.
Penrose, Charles Bingham,	*Philadelphia, Pa.,*	2 Gerry St.
Peters, George Gorham,	*Boston,*	78 Mt. Auburn St.
Peters, William York,	*Boston,*	Little's Block 14.
Porter, Edward Collins,	*East Somerville,*	6 North Ave.
Rand, Edward Lothrop,	*Cambridge,*	16 Quincy St.
Reed, Chester Allyn,	*Cambridge,*	53 Oxford St.
Reed, Frederick Silas Gregory,	*Chicago, Ill.,*	H. 12.
Reynolds, Edward,	*Boston,*	H'ke 22.
Ridgely, Edward,	*Springfield, Ill.,*	3 Linden St.
Roberts, Arthur Wellington,	*Cambridgeport,*	16 Prospect St.
Robinson, William Henry,	*Kingston, N.S.,*	16 Dunster St.
Rochester, De Lancey,	*Buffalo, N.Y.,*	W. 39.
Rogers, Isaac Lothrop,	*Charlestown,*	H. 29.
Rolfe, John Carew,	*Cambridge,*	405 Broadway.
Sanger, Charles Robert,	*Cambridge,*	T. 39.
Sawyer, William Trowbridge,	*San Francisco, Cal.,*	20 Lee St.
Scott, Henry Edwards,	*Watertown,*	G. 51.
Seaver, Harry Ellison,	*Charlestown,*	M. 58.
Seaverns, Joel Herbert,	*Roxbury,*	S. 28.
Sharon, Frederick William,	*San Francisco, Cal.,*	W. 33.
Simmons, Thornton Howard,	*Boston,*	H'y 18.
Slade, Marshall Perry,	*New York, N.Y.,*	W. 41.
Slater, William Albert,	*Norwich, Conn.,*	Beck Hall 36
Snelling, Rodman Paul,	*Boston,*	25 Holyoke St.
Spalding, Samuel Hopkins,	*Wilton, N.H.,*	H. 28.
Sprague, Carleton,	*Buffalo, N.Y.,*	8 Holyoke St.
Sprague, Richard,	*Boston,*	W. 12.
Squibb, Charles Fellows,	*Brooklyn, N.Y.,*	14 Concord Ave.
Stanton, Irving Gardiner,	*New Bedford,*	C. 69.
Staples, George Allen,	*Dubuque, Iowa,*	22 Centre St.
Stearns, George Andrew,	*Waltham,*	H. 30.
Stebbins, Roderick,	*San Francisco, Cal.,*	W. 10.
Stephens, Nelson John,	*Lawrence, Kansas,*	410 Harvard St.
Stetson, Clarence,	*Boston,*	Little's Block 11.

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Stuart, Frederic William,	*South Boston,*	S. 15.
Studley, John Butler,	*Concord,*	C. 2.
Sturgis, John Hubbard,	*Brookline,*	T. 10.
Sturgis, Richard Clipston,	*Boston,*	T. 14.
Sturgis, Robert,	*Philadelphia, Pa.,*	H'y 21.
Suplee, Louis Meredith,	*Philadelphia, Pa.,*	56 Trowbridge St.
Suter, John Wallace,	*Boston,*	H'ke 21.
Swan, William Donnison,	*Cambridge,*	6 Berkeley St.
Swinburne, George Knowles,	*Newport, R.I.,*	M. 45.
Taft, Charles Hutchins,	*Cambridge,*	17 Lowell St.
Talbot, Ambrose,	*Everett,*	S. 12.
Tenney, Charles Herbert,	*East Somerville,*	10 Appian Way.
Thayer, Addison Sanford,	*West Medway,*	H. 22.
Thayer, William Roscoe,	*Waverley,*	1 Holyoke St.
Thomsen, Herman Ivah,	*Baltimore, Md.,*	Beck Hall 28.
Thorndike, Albert,	*Cambridge,*	22 Garden St.
Tilden, Marmaduke,	*New York, N.Y.,*	Little's Block 1.
Townsend, Charles Wendell,	*Boston,*	G. 7.
Upham, George Phineas,	*Boston,*	H'ke 18.
Upton, Eugene Charles,	*South Gardner,*	S. 8.
Wade, Winthrop Howland,	*Boston,*	T. 61.
Wagar, Mars Edward,	*E. Rockport, O.,*	28 Dunster St.
Ware, Edward James,	*Yonkers, N.Y.,*	Dolton's Block 7.
Washburn, Frank Booth,	*Cambridge,*	29 Lee St..
Watson, Paul Barron,	*Portland, Me.,*	Felton Building 6.
Watson, Willis,	*Portland,*	Felton Building 8.
Weeks, Warren Bailey Potter,	*Boston,*	T. 12.
Wheeler, Horace Leslie,	*Watertown,*	H. 29.
Whitman, Edmund Allen,	*Cambridge,*	86 Trowbridge St.
Williams, Francis S.,	*New York, N.Y.,*	M. 19.
Williams, George Henry,	*Boston,*	M. 41.
Winkley, Henry, William,	*Woburn,*	C. 40.
Wood, John Gerrish,	*Exeter, N.H.,*	M. 29.
Worcester, William Loring,	*Newtonville,*	19 Oxford St.
Wright, John Allen Collier,	*Rochester, N.Y.,*	G. 9.
Wright, Merle St. Croix,	*Boston,*	T. 32.
Wylie, Samuel,	*Butler, Pa.,*	21 Pemberton Sq., Boston.

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SOPHOMORE CLASS.

NAME.	RESIDENCE.	ROOM.
Allen, Alfred Marston,	*Glendale, O.,*	17 Lowell St.
Anderson, Luther Stetson,	*Quincy,*	18 Wendell St.
Andrews, Charles Walker,	*Syracuse, N.Y.,*	W. 40.
Averill, Andrew Preston,	*Middleton,*	C. 7.
Babcock, James Woods,	*Chester, S.C.,*	C. 28.
Babson, Robert Tillinghast,	*Gloucester,*	404 Harvard St.
Bache, René,	*Philadelphia, Pa.,*	H'ke 17.
Bacon, Charles Franklin,	*Newton,*	37 Trowbridge St.
Bacon, James Hayward,	*Smithville, N.C.,*	W. 27.
Baird, Chambers,	*Ripley, O.,*	H. 26.
Baker, Edward Wild,	*Brookline,*	C. 68.
Baldwin, Charles Adolphe,	*New York, N.Y.,*	H'ke 14.
Bancroft, Clarence,	*Hopedale,*	H. 2.
Barlow, George Francis,	*Brooklyn, N.Y.,*	S. 30.
Bartlett, Charles Hammatt,	*Bangor, Me.,*	M. 15.
Bachelder, George Edwin,	*Salem,*	H'ke 12.
Beale, Joseph Henry,	*Dorchester,*	C. 45.
Birtwell, Charles Wesley,	*Lawrence,*	C. 55.
Blodgett, William Ashley,	*Boston,*	G. 36.
Bowen, James Williams,	*Boston,*	W. 46.
Boyd, Alexander,	*Boston,*	M. 51.
Boynton, Charles Edgar,	*Haverhill,*	9 Story St.
Bradley, Richards Merry,	*Brattleboro', Vt.,*	W. 6.
Brown, Charles Jerome,	*Worcester,*	12 Dunster St.
Bryant, John Sweeney,	*Buffalo, N.Y.,*	H'ke 32.
Buell, George Clifford,	*Rochester, N.Y.,*	Dolton's Block 1.
Bullard, John Eliot,	*Boston,*	Little's Block 10.
Burnham, William Henry,	*Dunbarton, N.H.,*	Moore St., Somerville.
Burt, Charles Dean,	*Taunton,*	10 Appian Way.
Burton, Frederick Russell,	*Malden,*	C. 27.
Bush, Walter Nelson,	*Fall River,*	16 Oxford St.
Cabot, Godfrey Lowell,	*Boston,*	W. 17.
Chalfant, William,	*Unionville, Pa.,*	M. 11.
Chapin, Henry Gardner,	*Springfield,*	W. 23.
Chase, Heman Lincoln,	*Brookline,*	7 Sumner St.
Chase, Walter Greenough,	*Brookline,*	Felton Building 36.
Cheney, Edwards,	*Lowell,*	H'ke 28.
Clark, Joseph Payson,	*Roxbury,*	T. 27.

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Clark, Stephen Cutter,	*Tewksbury*,	14 Concord Ave.
Clement, Hazen,	*Boston*,	W. 1.
Cochrane, John McGregor,	*Cambridgeport*,	14 State St.
Codman, Robert,	*Boston*,	Little's Block 10.
Cole, Frank Nelson,	*Marlboro'*,	C. 65.
Comey, Arthur Messinger,	*Somerville*,	4 Granite St., Somerville.
Cook, Frank Gaylord,	*Warsaw, N.Y.*,	C. 18.
Coolidge, Joseph Austin,	*Cambridge*,	C. 19.
Copeland, Charles Townsend,	*Calais, Me.*,	G. 31.
Creesy, Frank Leonard,	*Brookline*,	Felton Building 36.
Crehore, Morton Stimson,	*Boston*,	M. 12.
Crockett, Montgomery Adams,	*Medford*,	W. 50.
Cumming, Robert,	*New York, N.Y.*,	T. 48.
Cunningham, Henry Winchester,	*Boston*,	M. 51.
Cunningham, William de Lancey,	*New York, N.Y.*,	W. 30.
Cutler, Charles Francis,	*Boston*,	W. 25.
Dabney, Ralph Pomeroy,	*Fayal, Azores*,	T. 18.
Dakin, Franklin Arthur,	*Natick*,	W. 51.
Danforth, William Henry,	*Plymouth*,	H'ke 35.
Davis, Wendell Phillips,	*Florence*,	14 Story St.
Dean, Clarence Randall,	*Taunton*,	H'ke 46.
Delaney, Richard,	*Woodville*,	H. 28.
Dickey, Charles Denston,	*New York, N.Y.*,	16 Winthrop St.
Dillenback, Hiram Irving,	*Boston*,	G. 37.
Dooling, James Joseph,	*Boston*,	T. 18.
Dunbar, George Bradford,	*Cambridge*,	G. 31.
Dunbar, William Harrison,	*Cambridge*,	G. 31.
Dunton, Charles Hamlin,	*Allston*,	T. 18.
Eaton, George Herbert,	*Lawrence*,	C. 31.
Eliot, Charles,	*Cambridge*,	G. 34.
Emerson, Frederick Ware,	*Newton*,	H'y 1.
Fellows, William Gordon,	*New York, N.Y.*,	Beck Hall 34.
Fernald, Frederic Atherton,	*Cambridge*,	C. 18.
Firman, Burton Monroe,	*Wakefield*,	C. 1.
Fiske, William Boyd,	*Cambridgeport*,	9 Clinton St.
Flagg, Joshua Gardner,	*New York, N.Y.*,	9 Story St.
Foster, John McGaw,	*Bangor, Me.*,	H'ke 20.
Francis, George Hills,	*Brookline*,	G. 44.
French, Harry Cormerais,	*Jamaica Plain*,	G. 26.
Fuller, Frank Edward,	*West Newton*,	W. 51.
Gage, Homer,	*Worcester*,	19 Oxford St.
Gardner, Joseph Peabody,	*Boston*,	Little's Block 24.

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Gillespie, John,	*Malden*,	H. 24.
Gilman, Henry Hale,	*Haverhill*,	T. 6.
Goddard, Frederic Norton,	*New York, N.Y.*,	Beck Hall 1.
Goodnough, Xanthus Henry,	*Brookline*,	C. 68.
Gordon, Lysson,	*Lowell*,	Chestnut Ct., Somerville.
Greenough, James Jay,	*Cambridge*,	22 Appian Way.
Griffin, John Quincy Adams,	*Concord*,	M. 25.
Hall, Asaph,	*Georgetown, D.C.*,	H. 10.
Hall, Frederick Stanley,	*Taunton*,	H'ke 46.
Hardon, Henry Winthrop,	*Newton*,	H. 8.
Harlow, Henry Williams,	*Augusta, Me.*,	M. 5.
Hartshorn, George Trumbull,	*Cambridge*,	17 Kirkland St.
Haupt, Frank Spangler,	*Mt. Lake, Va.*,	107 Ellery St.
Herrick, William Hale,	*Cambridge*,	7 Norton St.
Heywood, Frank Everett,	*Worcester*,	G. 18.
Hill, Percival Smith,	*Philadelphia, Pa.*,	20 Holyoke St.
Hoar, Sherman,	*Concord*,	M. 13.
Holman, Charles Harvey,	*Charlestown*,	C. 44.
Hopkins, James Hughes,	*Barnstable*,	H. 9.
Howard, Albert Andrew,	*Ilion, N.Y.*,	20 Prescott St.
Hubbard, Harry Mascarene,	*Chicago, Ill.*,	M. 5.
Hunt, Frederick Thayer,	*Weymouth*,	49 Linnaean St.
Jennings, Charles Green Rockwood,	*Bennington Centre, Vt.*,	C. 37.
Jones, William,	*Wollaston Heights*,	C. 11.
Kane, Woodbury,	*New York, N.Y.*,	42 Brattle St.
Keep, Charles Hallam,	*Lockport, N.Y.*,	W. 50.
Kennett, George Clark,	*St. Louis, Mo.*,	H'y 22.
Kent, William Winthrop,	*Buffalo, N.Y.*,	M. 15.
Kingsbury, Albert Benjamin,	*Quincy, Ill.*,	H'ke 35.
Kittredge, Benjamin Rufus,	*Peekskill, N.Y.*,	25 Holyoke St.
Kittredge, George Lyman,	*Roxbury*,	C. 54.
Knowles, Charles Francis Swift,	*Yarmouth*,	W. 1.
Lamprey, William Amos,	*Somerville*,	H. 9.
Lane, Albert French,	*Exeter, N.H.*,	M. 11.
Leavitt, Heyward Gibbons,	*New York, N.Y.*,	52 Brattle St.
Lord, Clinton Hill,	*Newton Lower Falls*,	W. 38.
Lothrop, Arthur Prescott,	*Taunton*,	T. 18.
Luce, Robert,	*Waltham*,	W. 54.
Lyons, John Plumer,	*Jacksonville, Fla.*,	W. 54.
McCoy, Walter Irving,	*Troy, N.Y.*,	W. 18.
McDonald, Edward Valentine,	*Fall River*,	W. 27.
McFee, Charles Herbert,	*Haverhill*,	C. 11.

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McKendry, William Henry,	*Canton,*	M. 30.
McKone, William Thomas,	*North Andover,*	C. 46.
Mahon, Charles Henry,	*Lynn,*	H'ke 40.
Manning, William Hobbs,	*Cambridge,*	42 Quincy St.
Mariett, Ernest Homer,	*St. Armand, Que.,*	C. 37.
Mason, Charles Frank,	*Medfield,*	C. 34.
Mason, John Whiting,	*Brookline,*	C. 34.
Matthews, Albert,	*Boston,*	H'ke 10.
Mayberry, George Lowell,	*Weston,*	D. 6.
Merritt, Edward Percival,	*Boston,*	14 Plympton St.
Miles, Alfred Eugene,	*Fitchburg,*	M. 18.
Mitchell, John Kearsley,	*Philadelphia, Pa.,*	H'y 21.
Morrill, Samuel Henry,	*Cambridge,*	49 Norfolk St.
Munroe, Henry Whitney,	*Paris, France,*	Beck Hall 7.
Olmsted, Oliver Allen,	*Le Roy, N.Y.,*	M. 20.
Oxnard, Henry Thomas,	*Brooklyn, N. Y.,*	13 Kirkland Pl.
Paine, Robert Treat,	*Boston,*	H'ke 23.
Panin, Ivan,	*Concord,*	46 North Ave.
Pendleton, Elliott Hunt,	*Cincinnati, O.,*	48 Brattle St.
Perin, Edmund Seyon,	*Cincinnati, O.,*	48 Brattle St.
Perkins, John Walter,	*Hyde Park,*	G. 30.
Perrin, Ernest,	*Long Island, N.Y.,*	M. 19.
Pickering, McLaurin Jameson,	*Cambridge,*	W. 9.
Potter, Whipple Nahum,	*Boston,*	104 Mt. Auburn St.
Preston, John,	*New Ipswich, N.H.,*	C. 30.
Putnam, William Lowell,	*Canton,*	W. 17.
Rhinelander, Frederic William,	*New York, N.Y.,*	W. 6.
Rice, Charles Moen,	*Worcester,*	20 Prescott St.
Richardson, George Morey,	*Framingham,*	H'ke 2.
Richardson, Herbert Augustus,	*So. Framingham,*	C. 65.
Richardson, Hazen Kimball,	*Middleton,*	13 DeWolf St.
Robinson, Lucien Moore,	*Hartford, Me.,*	25 Holyoke St.
Rushmore, William Joseph,	*Lockport, N.Y.,*	112 Oxford St.
Russell, John,	*Plymouth,*	H. 19.
Sedgwick, Henry Dwight,	*Stockbridge,*	H'y 14.
Sewall, Harold Marsh,	*Bath, Me.,*	G. 28.
Sherwood, Henry Hamilton,	*San Francisco, Cal.,*	M. 20.
Slade, Denison Rogers,	*Chestnut Hill,*	T. 22.
Smith, Horace Emmet,	*Indianapolis, Ind.,*	C. 51.
Snow, Charles Armstrong,	*Boston,*	M. 14.
Spalding, George Frederick,	*Boston,*	M. 49.
Stetson, Eliot Dawes,	*New Bedford,*	T. 28.
Stevens, Charles Herbert,	*Cambridge,*	308 Harvard St.

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Stevens, Edward Knights,	*Newport, R.I.,*	M. 49.
Stone, Frederic Mather,	*New Bedford,*	T. 28.
Stone, William Enos,	*Cambridge,*	G. 47.
Storer, John Humphreys,	*Boston,*	Little's Block 16.
Thacher, Thomas Chandler,	*Boston,*	M. 53.
Thaxter, Roland,	*Newtonville,*	Little's Block 16.
Thayer, William Eldredge,	*Dorchester,*	M. 54.
Thompson, Frank Harrison,	*Brookline,*	M. 14.
Towne, George Warren,	*Topsfield,*	C. 7.
Townsend, Stephen Van Rensselaer,	*Albany, N.Y.,*	Beck Hall 43.
Trenholm, George Macbeth,	*Charlestown, S.C.,*	3 Linden St.
Tuckerman, Gustavus,	*Gloucester,*	404 Harvard St.
Underwood, Edward Livingston,	*Boston,*	S. 14.
Van Benthuysen, George Chrystie,	*Boston,*	G. 37.
Van Buren, Charles Michael,	*Newton,*	Newton.
Wait, William Cushing,	*Chicago, Ill.,*	28 Holyoke St.
Waring, George Edmund,	*Newport, R.I.,*	25 Holyoke St.
Warner, Henry Eldridge,	*Cambridge,*	W. 11.
Warren, Frederic,	*Liverpool, England,*	H'y 14.
Washburn, Frederick Leonard,	*Needham,*	H'ke 44.
Washburn, Philip Moen,	*Worcester,*	W. 11.
Webb, John Sydney,	*Washington, D.C.,*	W. 23.
Weld, J. Edward,	*New York, N.Y.,*	M. 30.
Wendell, Evert Jansen,	*New York, N.Y.,*	9 Linden St.
Wentworth, Elmer Ellsworth,	*Chelsea,*	16 Tremont St., Chelsea.
Whitman, Russell,	*Plymouth,*	10 Ash St.
Williston, Samuel,	*Cambridge,*	15 Berkeley St.
Wister, Owen,	*Branchtown, Pa.,*	H'ke 15.
Woodbury, Frederick Clinton,	*Boston,*	M. 54.
Woodworth, Herbert Grafton,	*Boston,*	T. 27.
Worcester, Joseph Ruggles,	*Waltham,*	19 Follen St.

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FRESHMAN CLASS.

NAME.	RESIDENCE.	ROOM.
Allen, George Henry Howland,	*New Bedford,*	10 Oxford St.
Allen, William Henry,	*Greenfield,*	M. 34.
Altemus, Howard Eyre,	*Philadelphia, Pa.,*	G. 41.
Andrews, Alexander Hugh,	*Cincinnati, O.*	25 Holyoke St.
Aspinwall, William Henry,	*Brookline,*	G. 40.
Atwood, Luther,	*Exeter, N. H.,*	C. 8.
Babbitt, Angell Boss,	*Worcester,*	4 Austin Pl.
Bachelder, Thomas Cogswell,	*Boston,*	C. 61.
Baker, Byron Ellis,	*Cambridgeport,*	13 Pleasant Pl.
Baker, James Eliot,	*Brookline,*	H'ke 26.
Baker, Lucas Lee,	*Cambridgeport,*	13 Pleasant Pl.
Baxter, David Nevins,	*Rutland, Vt.,*	Dolton's Block 6.
Beals, George William,	*Boston,*	H'ke 34.
Belshaw, Charles Mortimer,	*San Francisco, Cal.,*	M. 8.
Bemis, Frederic George,	*Cambridge,*	1 Walker St.
Binney, Horace,	*Providence, R. I.,*	H'y 4.
Brackett, Jeffrey Richardson,	*Quincy,*	W. 31.
Breck, Charles Renwick,	*Exeter, N. H.,*	80 Mt. Auburn St.
Briggs, Charles Poor,	*Lawrence,*	C. 48.
Brown, Frank Taylor,	*Framingham,*	H'ke, 36.
Bryant, William Wendell,	*Pembroke,*	C. 60.
Buchman, Julius,	*Ft. Washington, N.Y.,*	H'ke 25.
Burch, James Merrill,	*Dubuque, Iowa,*	H'ke 1.
Burdett, Frank Waldo,	*Brookline,*	W. 18.
Burrage, Albert Cameron,	*San Francisco, Cal.,*	H'ke 4.
Burrage, George Dixwell,	*Chestnut Hill,*	H'ke 4.
Burrage, Walter Lincoln,	*Boston,*	M. 57.
Butler, Edward Knowles,	*Jamaica Plain,*	13 Kirkland Pl.
Butler, Robert Gordon,	*New York, N. Y.,*	48 Brattle St.
Cabot, Edward Twisleton,	*Brookline,*	T. 60.
Cabot, Henry Bromfield,	*Brookline,*	M. 10.
Canterbury, Charles Dexter,	*East Weymouth,*	M. 3.
Chandler, John,	*Boston,*	H'ke 19.
Chapin, Walter Freeman,	*Somerville,*	C. 8.
Chapman, Henry Grafton,	*New York, N.Y.,*	T. 58.
Chase, Henry Ernest,	*Brookline,*	7 Sumner St.
Clark, Francis Lewis,	*Bangor, Me.,*	20 H'ke.
Clarke, Mortimer Hall,	*New Bedford,*	Felton Building 29.
Codman, Russell Sturgis,	*Boston,*	T. 8.

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Coit, Robert,	*Lawrence,*	C. 32.
Cole, Charles D'Urban Morris,	*Cambridge,*	6 Acacia St.
Cole, George Edward,	*Sheboygan, Wis.,*	16 Oxford.
Coolidge, Harry Palmer,	*Washington, D. C.,*	Felton Building 12.
Coolidge, Joseph Randolph,	*Boston,*	M. 48.
Coolidge, Louis Arthur,	*Natick,*	S. 19.
Coolidge, Sumner,	*Mt. Auburn,*	C. 19.
Cowgill, Thomas Washington,	*Damaserville, Ohio,*	S. 21.
Crapo, Henry Howland,	*New Bedford,*	1 Holyoke St.
Crawford, Henry,	*Chicago, Ill.,*	467 Broadway.
Crawford, William Herbert,	*New York, N. Y.,*	C. 12.
Cummings, Edward,	*Woburn,*	C. 67.
Curtis, Charles Pelham,	*Swampscott,*	53 Brattle St.
Curtis, Walter,	*Boston,*	12 St. James' Ave., Boston.
Cushing, Marshall Henry,	*South Hingham,*	C. 43.
Dame, Walter Reeves,	*Clinton,*	S. 22.
Damon, Walter, Elijah,	*South Hanson,*	M. 8.
Dana, William Lawrence,	*Portland, Me.,*	100 Mt. Auburn St.
Davis, Charles Edwin,	*Cambridgeport,*	52 Hamilton St.
Davis, Edwin Sloan,	*Brooklyn, N. Y.,*	C. 21.
Davis, Gibson Mallory,	*Louisville, Ky.,*	M. 31.
Davis, Joseph Edwin,	*Lynn,*	M. 38.
Day, Stanton,	*Boston,*	8 Bulfinch Pl., Boston.
Denniston, Arthur Clark,	*Philadelphia, Pa.,*	T. 41.
Dewson, George Badger,	*Quincy,*	19 Oxford St.
Dole, William Andrews,	*Melrose,*	36 Mt. Auburn St.
Dorr, Joseph,	*Boston,*	25 Holyoke St.
Dow, Edmond Scott,	*Brookline,*	C. 10.
Dunn, George Garrett,	*Philadelphia, Pa.,*	T. 65.
Earle, Morris,	*Worcester,*	14 Kirkland Pl.
Easton, James Hamlet Bolt,	*Rochester, Minn.,*	C. 41.
Eaton, Percival James,	*Maplewood,*	S. 26.
Edgerly, John Hubbard Wilkins,	*Brookline,*	T. 66.
Edwards, Harry Ransom,	*Cleveland, O.,*	T. 23.
Elder, Fabius Edwin,	*E. Lexington,*	E. Lexington.
Endicott, William Crowninshield,	*Salem,*	Little's Block 30.
Ennis, Robert Berry,	*Decatur, Ill.,*	36 North Ave.
Evans, George William,	*Boston,*	C. 62.
Faxon, William,	*Boston,*	H'ke 4.
Fay, Frank Britain,	*E. Calais, Vt.,*	23 Irving St.
Fearing, Daniel Butler,	*Newport, R. I.,*	Beck Hall 35.
Fearing, Edwin Thayer,	*Newton,*	W. 1.

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Ferguson, Edward Ashley,	*Detroit, Mich.*,	Little's Block 15.
Ferris, Lynde Raymond,	*Brookline*,	H'ke 26.
Francis, Richard Pearce,	*Montclair, N. J.*,	C. 58.
Frost, Howard,	*Worcester*,	M. 2.
Fuller, Richard Buckminster,	*Cambridge*,	13 Hilliard St.
Fuller, Waldo,	*Cambridge*.	13 Hilliard St.
Furness, Walter Rogers,	*Philadelphia, Pa.*,	T. 57.
Getchell, Clarence,	*Exeter, N. H.*,	C. 3.
Goodnough, Benjamin Franklin,	*Brookline*,	465 Broadway.
Grandgent, Charles Hall,	*Cambridge*,	34 Wendell.
Grant, Percy Stickney,	*Boston*,	H'ke 41.
Hale, Edward Everett,	*Boston*,	1 Holyoke St., Room 4.
Hall, Henry Martyn,	*Ellsworth, Me.*,	Felton Building 4.
Hall, James Milton,	*Haverhill*,	26 North Ave.
Hamlin, Charles Sumner,	*Roxbury*,	G. 15.
Hammond, Charles Mifflin,	*New London, Conn.*,	M. 32.
Hammond, Gardiner Greene,	*New London, Conn.*,	M. 32.
Harvey, Frank Hamilton,	*Indianapolis, Ind.*,	C. 51.
Haskell, Mellen Woodman,	*West Roxbury*,	C. 38.
Hatch, Everett Wesley,	*Boston*,	160 Pleasant St.
Hayes, Hammond Vinton,	*Boston*,	Felton Building 24.
Hayford, Francis Loring,	*Bangor, Me.*,	H'ke 36.
Hayward, Walter Edward,	*Attleboro'*,	W. 20.
Heilbron, George Henry,	*Boston*,	Felton Building, 10.
Hewitt, George Ross,	*Roxbury*,	14 Ware St.
Heywood, George,	*Concord*,	M. 2.
Higgins, Thomas Berry,	*Washington, D.C.*,	H. 10.
Hodges, Archie Livingstone,	*Taunton*,	1 Revere St.
Holmes, Benjamin Blake,	*Bradford*,	C. 20.
Hooke, Charles Witherle,	*Castine, Me.*,	S. 18.
Hooper, Franklin Henry,	*Washington, D. C.*,	G. 50.
Howe, George Ebenezer,	*Brattleboro', Vt.*,	C. 29.
Hoyt, Henry Reese,	*New York, N. Y.*,	9 Linden St.
Hubbard, Charles Joseph,	*Montpelier, Vt.*,	C. 67.
Jack, Ernest Sanford,	*Portland, Me.*,	713 Cambridge St.
Jacobs, Henry Barton,	*West Scituate*,	C. 48.
Jennings, William Charles,	*Salt Lake City, Utah*,	12 Story St.
Jennison, Frank Elwood,	*Bangor, Me.*,	H. 20.
Johnson, Louis Osborne,	*Salem*,	T. 37.
Jones, Harry Walter,	*Cambridgeport*,	276 Harvard St.
Jones, Paul,	*Rochester, Minn.*,	128 Cross St., Somerville.
Kaan, Frank Warton,	*Dorchester*,	C. 8.
Keating, Patrick Michael,	*Springfield*,	5 Linden St.
Keith, George Paul,	*Quincy*,	C. 60.

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Kellogg, Warren Franklin,	*Cambridge,*	26 Trowbridge St.
Kent, Edward,	*Boston,*	G. 39.
Kikkawa, Chokichi,	*Tokio, Japan,*	M. 28.
Kip, Charles Hayden,	*Buffalo, N.Y.,*	H'ke 42.
Kirby, Stephen Strickland,	*Towanda, Pa.,*	C. 57.
Knight, Stephen Herrick,	*Salem,*	Felton Building 2.
Lane, Alfred Church,	*Boston,*	T. 17.
Langdon, Courtney,	*Cambridge,*	14 Ash St.
Lawrence, Prescott,	*Groton,*	Beck Hall 21.
Leatherbee, George Henry,	*West Newton,*	M. 58.
Lee, Joseph,	*Boston,*	T. 9.
Lilienthal, Howard,	*Saratoga Sprg., N.Y.,*	23 Irving St.
Lloyd, Herbert Marshall,	*Andover,*	12 Appian Way.
Loeb, Morris,	*New York, N.Y.,*	H'ke 25.
Lombard, William Alden,	*Galesburg, Ill.,*	M. 38.
Lord, Augustus Mendon,	*Cambridge,*	34 Bigelow St.
Lord, William Tyler,	*Roxbury,*	Felton Building 10.
Lothrop, Cyrus Edwin,	*Detroit, Mich.,*	T. 24.
Lowell, George Emerson,	*Chestnut Hill,*	T. 36.
Lyman, Arthur,	*Boston,*	T. 11.
Lyman, William Pratt,	*Philadelphia, Pa.,*	T. 57.
McArthur, Arthur Fred,	*Chicago, Ill.,*	Felton Building 22.
Machado, Joseph Antonio,	*Salem,*	T. 17.
McInnes, Edwin Guthrie,	*Roxbury,*	Francis Ave.
McKay, Richard Crane,	*Boston,*	M. 26.
Mackie, David Ives,	*Great Barrington,*	T. 40.
Mahan, James Francis,	*Brookline,*	C. 10.
Moffat, Reuben Burnham,	*Brooklyn, N.Y.,*	W. 5.
Moors, John Farwell,	*Boston,*	M. 48.
Morison, George Burnap	*Baltimore, Md.,*	W. 31.
Morris, George Patrick,	*South Boston,*	561 8th St., So. Boston.
Morse, Charles Francis,	*Boston,*	C. 62.
Morton, Frederick William,	*Lockport, N.Y.,*	1 Berkeley St.
Moulton, Franklin Woodruff,	*New York, N.Y.,*	4 Story St.
Nichols, Charles Corbett,	*Everett,*	6 Mt. Auburn St.
Nichols, Charles Prosser,	*Lowell,*	C. 39.
Nichols, Frederick,	*Boston,*	Beck Hall 44.
Nichols, George Henry,	*South Boston,*	C. 16.
Nirdlinger, Charles Frederick,	*Ft. Wayne, Ind.,*	408 Harvard St.
Norman, Hugh Kinsley,	*Boston,*	M. 16.
Norris, Samuel,	*Bristol, R.I.,*	W. 15.
Noyes, James Atkins,	*Brooklyn, N.Y.,*	H'ke 31.
O'Callaghan, Robert Emmet,	*Salem,*	S. 6.

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Page, George Hyde,	*Boston,*	H'ke 41.
Page, William Hussey,	*Boston,*	C. 61.
Park, Trenor Luther,	*New York, N.Y.,*	4 Story St.
Paul, Walter Everard,	*Auburn, Me.,*	S. 18.
Pearmain, Sumner Bass,	*Chelsea,*	20 Prescott St
Peirce, William Tappan,	*New Bedford,*	10 Oxford St.
Pennock, John Downer,	*North Somerville,*	G. 8.
Perin, Charles Page,	*Ft. Leavenworth, Kan.,*	M. 33.
Perkins, Charles Bruen,	*Boston,*	Beck Hall 47.
Perkins, George William,	*Topsfield,*	C. 57.
Perkins, Henry Wilson,	*Cambridgeport,*	107 Pearl St.
Perry, Oscar Edward,	*Rehoboth,*	C. 20.
Pollard, Alonzo Wilder,	*Boston,*	M. 6.
Porter, George Jonathan,	*Medford,*	Dolton's Block 18.
Potter, John William,	*New York, N.Y.,*	6 Appian Way.
Preston, James Faulkner,	*Boston,*	13 Kirkland Pl.
Prince, Frederick Henry,	*Boston,*	G. 4.
Putnam, Herbert,	*New York, N.Y.,*	20 Holyoke St.
Putnam, Osgood,	*San Francisco, Cal.,*	D. 14.
Rand, Charles Edwin,	*Chicago, Ill.,*	M. 1.
Ranlet, Charles,	*Holyoke,*	20 Prescott St.
Ranney, Fletcher,	*Boston,*	Felton Building 19.
Reed, Frederick Gray,	*Lexington,*	S. 18.
Rice, Wallace de Groot,	*Chicago, Ill.,*	M. 60.
Richardson, Daniel Merchant,	*Lowell,*	Little's Block 8
Richmond, Philip,	*Providence, R.I.,*	T. 34.
Robinson, Charles Enoch,	*Somerville,*	C. 8.
Rockwell, Charles Randall,	*Tarrytown, N.Y.,*	M 31.
Rousmaniere, Edmund Swett,	*Boston,*	Felton Building 24
Rublee, William Alvah,	*Madison, Wis.,*	16 Oxford St.
Sanger, Sabin Pond,	*Bangor, Me.,*	387 Harvard St.
Saunders, Charles Robertson,	*Cambridge,*	50 North Ave.
Sawyer, Fred Leland,	*Cumberland Cent., Me.,*	16 Story St.
Scott, Edward David,	*Richmond, Va.,*	2d Unitarian Church, Boylston St., Boston.
Sears, Henry Francis,	*Boston,*	Beck Hall 22.
Sears, Richard Dudley,	*Boston,*	Beck Hall 22.
Sessions, Archibald Lowery,	*Brooklyn, N.Y.,*	17 Kirkland St.
Sharp, Joseph Russel,	*Salt Lake City, Utah,*	8 Story St.
Sharp, Raymer,	*San Francisco, Cal.,*	H'ke 38.
Sheffield, Joseph Henry,	*Worcester,*	4 Austin Pl.
Sherwood, John Dickinson,	*San Francisco, Cal.,*	M. 8.
Slocum, Francis Rocketson,	*New Bedford,*	Dolton's Block 11.
Smith, Charles Worcester,	*Worcester,*	T. 55.

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Smith, Edgar Dwight,	*Castile, N.Y.*,	30 Mt. Auburn St.
Smith, Ormond Gerald,	*New York, N.Y.*,	20 Holyoke St.
Smith, Walter Edward Clifton,	*Boston*,	W. 26.
Smyth, Henry Lloyd,	*Wheeling, W. Va.*,	G. 35.
Soren, Walter,	*Dorchester*,	G. 49.
Sparrow, Frank Miller,	*Mattapoisett*,	8 Appian Way.
Sprague, Elmer Horace,	*Worcester*,	4 Austin Pl.
Stone, Arthur Kingsbury,	*Framingham*,	G. 52.
Sturgis, Charles Inches,	*Philadelphia, Pa.*,	H'ke 23.
Sullivan, William Dunning,	*East Somerville*,	C. 41.
Tonks, Alfred,	*Malden*,	Felton Building 4.
Treadwell, George Haines,	*Newmarket, N.H.*,	Arlington St., cor. Mt. Auburn St., Watertown.
Warren, Edward Perry,	*Boston*,	Beck Hall 31.
Warren, William Ross,	*Brookline*,	C. 22.
Weeks, Andrew Gray,	*Boston*,	H'ke 19.
Wellington, Benjamin Wickham,	*Corning, N.Y.*,	C. 23.
Wellington, John Arthur,	*Quincy*,	M. 34.
Wentworth, William Wadsworth,	*Englewood, Ill.*,	14 Ware St.
Weston, Alfred Jerome,	*Washington, D.C.*,	410 Harvard St.
Weston, Henry Elver,	*Salem*,	T. 52.
Weston, William Hutchinson,	*Salem*,	T. 52.
White, Daniel Appleton,	*Methuen*,	14 Ware St.
White, William Luke Wycherly,	*Chicago, Ill.*,	310 Harvard St.
Wigmore, John Henry,	*San Francisco, Cal.*,	19 Hilliard St.
Williams, William Hall,	*Melrose*,	Epis. Theological School. Room 5.
Wilson, Ralph Waldo Emerson,	*Cambridge*,	62 Brattle St.
Wingate, Charles Edgar Lewis,	*Exeter, N.H.*,	C. 33.
Winslow, George Scott,	*Boston*,	Little's Block 7.
Winslow, Winthrop Church,	*Boston*,	M. 46.
Winthrop, Robert Dudley,	*New York, N.Y.*,	48 Brattle St.
Witmer, Joseph Meyer,	*Juda, Wis.*,	19 Irving St.
Woodbury, Arthur Henry,	*Beverly*,	Felton Building 2
Worcester, Charles Pomeroy,	*Newtonville*,	19 Oxford St.
Wyman, Alphonso Adelbert,	*West Acton*,	S. 22.

SUMMARY.

SENIORS	171
JUNIORS	201
SOPHOMORES	196
FRESHMEN	245
Total	813

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HARVARD COLLEGE.

REQUISITIONS FOR ADMISSION.

After 1880, *Method* 1, *which was first used in* 1878, *will be the only method of examination. After* 1882, *the alternative marked B.* (3) *in the minimum Greek requisition will be withdrawn. The cases of candidates whose preparation for College was far advanced before the recent changes in the method of examination became known to them will, however, be duly considered.*

Method 1.

This method prescribes for the candidate a minimum requisition in every study, and a maximum requisition in two, selected by him from four principal studies.

Every candidate will be required to pass a satisfactory examination in the following eleven subjects: —

1, 2. *Latin.* (1) Cæsar, Gallic War I.–IV., with questions on the subject-matter, and on construction and grammatical forms; Virgil, Eclogues and Aeneid I.–IV., with questions on the subject-matter and on prosody: (2) the translation at sight of easy Latin prose; and the translation into Latin of simple English sentences, to test the candidate's practical knowledge of grammar. (The passages set for translation at sight will be suited to the proficiency of those who have studied the prescribed books; and candidates will be supplied with a vocabulary of such words as they cannot reasonably be expected to know.)

3, 4. *Greek.* At any examination previous to those held in 1883, every candidate may offer himself in either of the two following requirements: —

A. (3) The translation at sight of easy passages of Xenophon (suited to the proficiency of those that have studied the first 111 pages of Goodwin's Greek Reader, or the first four books of the Anabasis), with a vocabulary of the less usual words; (4) the translation into Greek of simple sentences, such as those in the first 51 lessons of White's "First Lessons in Greek," to test the candidate's practical knowledge of grammar.

B. (3) The first 111 pages of Goodwin's Greek Reader (or Xenophon's Anabasis I.–IV.) and Iliad I. and II., vss. 1–493, with questions on the subject-matter, and on construction and grammatical forms; and (4) the translation into Greek of simple sentences, such as those in the first 51 lessons of White's "First Lessons in Greek," to test the candidate's practical knowledge of grammar.

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5. *Ancient History and Geography.* Greek History to the death of Alexander; Roman History to the death of Commodus. Smith's Smaller Histories of Greece and Rome will serve to indicate the amount of knowledge demanded.

6, 7, 8. *Mathematics.* (6) Arithmetic (Prime and Composite Numbers, Factors, Divisors, and Multiples; Proportion; Decimals, including Percentage, Simple and Compound Interest, and Discount, but not the technical parts of Commercial Arithmetic; Compound Numbers and the Metric System, the necessary tables and data being given on the papers; Square Roots): (7) Algebra, through quadratic equations: (8) Plane Geometry, as much as is contained in the first thirteen chapters of Peirce's Geometry.

9. *Physics.* Rolfe and Gillett's Natural Philosophy for High Schools and Academies (without the Appendix), or Parts I. and II. of Arnott's Physics.

10. *English Composition.* Each candidate will be required to write a short English composition, correct in spelling,* punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of examination. In 1880, the subject will be drawn from one of the following works: —

Shakspere's King Lear and Much Ado About Nothing; Gray's Elegy in a Country Churchyard; Johnson's Six Chief Lives of the Poets, with Matthew Arnold's Preface and Macaulay's Life of Johnson; Carlyle's Essay on Johnson; Dickens's Tale of Two Cities; Scott's Quentin Durward.

Every candidate is expected to be familiar with *all* the books in this list.

In 1881, the subject will be drawn from one of the following works: —

Shakspere's Hamlet, and Romeo and Juliet; the first two books of Milton's Paradise Lost; Goldsmith's She Stoops to Conquer; Irving's Life of Goldsmith; Hawthorne's Our Old Home; George Eliot's Silas Marner; Scott's Abbot.

In 1882, the subject will be drawn from one of the following works: —

Shakespere's Othello and King John; Goldsmith's Vicar of Wakefield and Deserted Village; Carlyle's Essay on Scott; Scott's Bride of Lammermoor; George Eliot's Mill on the Floss.

11. *French* or *German.* The translation at sight of easy French prose, or of easy German prose, if the candidate prefer to offer German. It is expected that a knowledge of the language itself will be shown in examination, rather than a knowledge of the grammar; but proficiency in elementary grammar, a good pronunciation, or facility in speaking, will

* Worcester's Dictionary is the standard.

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be accepted as an offset for some deficiency in translation. There will be no required examination in pronunciation; but it is recommended that attention be given to pronunciation, from the outset. Candidates who offer German will be required to study French; and those who offer French will be required to study German during the Freshman year.

Every candidate will also be required to pass a satisfactory examination in at least two of the four following groups of subjects: —

I. LATIN.

1, 2. (1) Cicero's Orations against Catiline, and Virgil's Aeneid V.–IX., with questions as in the minimum requirement stated in subjects 1 and 2 above: (2) translation at sight of average passages from Cicero's Orations; and Latin Composition.

II. GREEK.

1, 2. (1) The translation at sight of average passages from Herodotus (with such help in notes as should be needed by those who have studied the Herodotus in Goodwin's Reader (pp. 112–191) or Herodotus VII., 196–239, and VIII.); (2) simple Greek prose composition; and *either* the translation at sight of average passages from the Iliad (the candidate being supplied with a vocabulary of the less usual words), *or* Iliad I., II. vss. 1–493, and III., with questions on the passages set for translation.

[Candidates who are examined in Iliad I. and II. in the course marked *B.* under 3, 4 (above) will be examined in Iliad III., IV., and VI. in place of Iliad I.–III.]

III. MATHEMATICS.

1, 2. (1) Logarithms and Plane Trigonometry; (2) Solid Geometry (as much as is contained in Peirce's Geometry).

IV. PHYSICAL AND NATURAL SCIENCE.

1, 2. (1) Arnott's Physics, as far as Part IV., Section III.; (2) *either* Chemistry (Nichols's Abridgment of Eliot and Storer's Manual), *or* Botany (Gray's "How Plants Grow," with analysis of simple specimens).

In each of the four departments, Latin, Greek, Mathematics, and Physical and Natural Science, two courses will be carried on in the Freshman year: an ordinary course, adapted to the state of preparation of those who are admitted with the minimum requirement, stated in subjects 1–9, above; and an advanced course for those who are admitted with the maximum requirement, last given above.

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Method 2.

In 1880, *candidates may be examined, as heretofore, in one of the two following courses of study, each embracing sixteen subjects:* —

Course I.

1. *Latin Grammar* (including Prosody).

2. *Latin Composition and Latin at sight.* This will include the translation at sight of some passage in prose, not included in the following requisitions.

3. *Caesar, Sallust, and Ovid.* Caesar, Gallic War, Books I.–IV.; Sallust, Catiline; Ovid, four thousand lines.

4. *Cicero and Virgil.* Cicero, eight orations and the Cato Major; Virgil, Eclogues, and the Aeneid, Books I.–VI.

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5. *Greek Grammar* (including metres).

6. *Greek Composition* (with the accents).

7. *Greek Prose.* Goodwin's Greek Reader; or Xenophon's Anabasis, Books I.–IV., and the seventh book of Herodotus.

8. *Greek Poetry.* Homer's Iliad, Books I.–III., omitting the catalogue of ships.

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9. *Arithmetic* (including the metric system of weights and measures, and the use and rudiments of the theory of logarithms). The examples requiring the use of logarithms at the examination will be adapted to a four-place table.

10. *Algebra.* The same as No. 7 of Method 1.

11. *Plane Geometry.* The same as No. 8 of Method 1.

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12. *Ancient History and Geography.* The same as No. 5 of Method 1.

13. *Modern and Physical Geography.* The following works will serve to indicate the amount of knowledge demanded in this subject: In modern geography; Guyot's Common School Geography, or Miss Hall's Our World, No. 2; in physical geography, Guyot's Physical Geography, Parts II. and III., or the first forty-nine pages of Warren's Physical Geography.

14. *English Composition.* The same as No. 10 of Method 1.

15. *French* or *German.* The same as No. 11 of Method 1.

16. *Physical Science.* One of the three following subjects, the selection of the subject being left to the candidate: —

1. *Elementary Botany.*
2. *Rudiments of Physics and of Chemistry.*
3. *Rudiments of Physics and of Descriptive Astronomy.*

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The following books will serve to indicate the nature and extent of this requisition: —

In Botany, Gray's "How Plants Grow."

In Physics, Balfour Stewart's Primer of Physics.

In Chemistry, Roscoe's Primer of Chemistry.

In Astronomy, Rolfe and Gillett's Handbook of the Stars (first 124 pages).

Candidates who offer Botany will be required to give evidence that they can analyze simple specimens; and those who offer Physics or Chemistry, that they can perform simple experiments, like those described in the Primers referred to above.

Course II.

1. *Latin Grammar* (including Prosody).

2. *Latin Authors.* Caesar, Gallic War, Books I. and II.; Cicero, six orations and the Cato Major; Virgil, Aeneid, Books I.–VI.

3. *Greek Grammar* (including metres).

4. *Greek Authors.* Goodwin's Greek Reader, first 111 pages, or Xenophon's Anabasis, Books I.–IV.; Homer's Iliad, Books I. and II., omitting the catalogue of ships.

5. *Arithmetic.* The same as No. 9 of Course 1.

6. *Elementary Algebra.* The same as No. 10 of Course 1.

7. *Advanced Algebra.* This subject, with the preceding, is regarded as embracing as much Algebra as is contained in the advanced text-books, such as the *larger* Algebras of Todhunter, Loomis, Greenleaf, &c.

8. *Plane Geometry.* The same as No. 11 of Course 1.

9. *Solid Geometry* (as much as is contained in Peirce's Geometry).

10. *Plane Trigonometry* (by the Analytic Method; as much as is contained in the first six chapters of Peirce's Trigonometry, or in the large print of the first eight chapters of Chauvenet's Trigonometry, or in Wheeler's Plane Trigonometry).

11. *The Elements of Plane Analytic Geometry* (as much as is contained in Peck's Analytic Geometry, pages 1–151, omitting articles 40–43, 54, 57–61, 72, 74–76, and the more difficult problems).

12–16. The same as Nos. 12–16 of Course I.

Candidates who enter College on Course II. will be admitted, if qualified, to the Advanced Section in Mathematics or must substitute elective studies, either in Mathematics or in some other subject, for the Mathematics of the Freshman year.

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No particular text-book in Grammar is required; but either Allen and Greenough's or Harkness's Latin Grammar, and either Goodwin's or Hadley's Elementary Greek Grammar, will serve to indicate the nature and amount of the grammatical knowledge demanded.

In Latin, the following pronunciation is recommended: *ā* as in *father*, *ă* the same sound, but shorter; *ē* like *ĕ* in *fête*, *ĕ* as in *set*; *ī* as in *machine*, *ĭ* as in *sit*; *ō* as in *hole*, *ŏ* as in *nor*; *ū* as in *rude*, *ŭ* as in *put*; *j* like *y* in *year*, *c* and *g* like Greek *κ* and *γ*.

Instructors are requested to teach their pupils, in pronouncing Greek, to use the *Greek accents*, and to give (for example) *α* the sound of *a* in *father*, *η* that of *a* in *fate*, *ι* that of *i* in *machine*, &c.

It is earnestly recommended that the requisitions in Latin and Greek authors be accurately complied with. Real equivalents, however, will be accepted; as, for example, under Method 2, Caesar's Gallic War, Books V. and VI., in place of Sallust's Catiline; two additional orations of Cicero, in place of the Cato Major; the seventh book of the Aeneid, in place of the Eclogues; the last five books of the Aeneid, in place of Ovid.

Early in the Freshman year, advanced sections in Latin and Greek are formed, consisting of those who show the greatest proficiency in those subjects.

No partial substitutions or interchanges between Courses I. and II. of Method 2 will be allowed; but candidates can present themselves on *both* courses, or on one course with additional subjects belonging to the other.

No partial substitution or interchange between Method 1 and Method 2 will be allowed.

If a candidate passes with high credit in any one or more of the following groups of subjects (in Method 1), namely, —

Prescribed Classics (subjects 1, 2, 3, 4),

Prescribed Mathematics (subjects 6, 7, 8),

Prescribed and Elective Latin (subjects 1, 2, and Group I.),

Prescribed and Elective Greek (subjects 3, 4, and Group II.),

Prescribed and Elective Mathematics (subjects 6, 7, 8, and Group III.),

Prescribed and Elective Physics (subject 9 and Group IV.), — such distinction will be noted on his certificate of admission.

A set of recent examination papers will be sent to any address, on application to A. T. Gibbs, Secretary.

PRELIMINARY EXAMINATIONS.

These examinations are held only in June.

Any candidate for admission to College may, at his option, pass the entire examination at one time; or he may pass a preliminary examination on a part of the course, and be examined on the remaining subjects

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in some subsequent year (not in the same year). But no candidate will be admitted to examination on a part of any subject; and no account will be made of, nor certificate be given for, the preliminary examination, unless the candidate has passed satisfactorily in at least five subjects.

Candidates will be received for the preliminary examination only in subjects in which their teachers give them certificates as prepared.

These certificates must be in the hands of A. T. Gibbs, Secretary, *one week before the examination period begins; and no person will be received at any preliminary examination who has not presented his certificate at the required time.*

The preliminary examination (in Method 1) will be limited to the prescribed subjects (numbered 1–11), *i.e.* not allowed to include any of the advanced or elective subjects; and certificates will be granted for any five prescribed subjects. *There will be no preliminary examination in Method 2, after the year* 1879.

Teachers are advised and requested not to present their pupils for preliminary examination on the *whole* minimum in either Greek, Latin, or Mathematics, unless they mean to prepare them in the advanced subjects in the same study.

Candidates are encouraged to offer *more than two* of the four elective groups of Method 1 at the final examination, provided they have time to do the necessary work in a thorough manner.

OPTIONAL EXAMINATIONS.

A principal aim in providing these optional examinations is to encourage teachers to carry the studies of their brighter and more diligent pupils beyond the bare requisitions for admission, in whatever direction taste or opportunity may suggest. Full employment may thus be secured for the most capable student, until he is thought mature enough to enter College; while his greater progress in school will make his college course more profitable, by enabling him to take up his studies at a more advanced stage, or to give more time to the studies of his choice.

THE CLASSICS.

Any candidate for admission to the Freshman Class is at liberty to offer himself in September for additional examination in either the Greek, or the Latin, or both, required during the Freshman year.

The examination in each subject will cover the work of the *preceding* Freshman year.

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The general course can be found in the Catalogue (pp. 77–79); further details can be learned by application to A. T. Gibbs, Secretary.

Those who pass this examination with credit will be admitted to the elective courses in either the classics or other departments, in place of the Freshman studies thus anticipated.

All those who wish to attain distinction in classical studies, or to graduate with Classical Honors, are advised to pass these examinations on entering.

MATHEMATICS.

Students entering College by Method 2, Course I., or by Method 1, without Elective Group III., who wish to join the advanced section in Mathematics, in their Freshman year, must pass the examinations in Logarithms, Plane Trigonometry, and Solid Geometry, held in Elective Group III., of Method 1. These examinations will be open as optional examinations, both in June and September, to any candidate for admission, by either method, and to any student already admitted to the entering class.

A student entering College in Method 2, Course II., or in Method 1, with Elective Group III., will be admitted to the Advanced Section *without extra examination*, if he has passed creditably in the Mathematical subjects. The design of the Advanced Section is to afford to students of good ability and preparation a more thorough training in Mathematics in their Freshman year than they can gain in the ordinary course, and to facilitate the taking of Second-Year Honors in Mathematics. It is recommended to those who desire to devote special attention in College to Mathematics or Physical Science, and to all who are able to comply with the conditions and would turn their Mathematical study to the best account. But no student will be admitted to the section who does not appear on examination to be well fitted for it.

The greater part of the time of the Advanced Section is at present given to a thorough study of Analytic Geometry, which takes the place of the subjects anticipated, and which may, at the option of the student, be continued to a higher point in subsequent elective courses. The members of the section, except those who enter on Method 2, Course II., will pursue Algebra with the ordinary sections of the class.

Optional examinations will be held also on the first Saturday of the academic year, in the following subjects: —

1. *Algebra;* as much as is contained in Todhunter's Algebra, chapters I.–XXXV., XXXVII., XLI.–XLV.

2. *Exercises in Geometry;* for which Chauvenet's Geometry, Appendix, Books I.–VI. inclusive, is recommended as affording a good preparation.

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No student will be allowed to present himself at these examinations till he has passed all the examinations necessary for admission to the Advanced Section in Mathematics.

A student who passes the *first* of these examinations successfully will be excused from the study of Algebra in his Freshman year, and allowed to substitute for it special work in Mathematics. A student who passes with high credit in the Mathematical subjects required for admission to the ordinary course, in those required for the Advanced Section, and in the two optional examinations, will receive a certificate of admission to the Freshman class, with highest distinction in Mathematics.

The course pursued by the Advanced Section of the Freshman Class will be counted as a one hour elective towards Second-Year Honors in Mathematics, and a special course substituted for anticipated Algebra will also be counted as a one hour elective towards Second-Year Honors.

The examination in exercises in Geometry will be counted as a part of the special examination for Second-Year Honors, if the candidate shall desire it to be so received. Candidates for Second-Year Honors are recommended, however, to take six hours of elective studies, if their other plans permit them to do so, in addition to the work of the Advanced Freshman Section.

Freshmen will be allowed to take elective studies, in place of their Mathematics, if they anticipate *all* the Mathematical subjects of the Freshman year, but not otherwise.

PHYSICS.

Students who pass a satisfactory examination at admission in the Physics of the Freshman year (see p. 88) may substitute for that course an elective study.

FRENCH OR GERMAN.

Candidates for admission who present one of these subjects may anticipate by examination, at the beginning of the academic year, the work of the Freshman year in the other, and will then be excused from attendance upon the Freshman course, but must take some elective in place of it.

RHETORIC.

Candidates for admission to the Freshman Class may anticipate the *Prescribed Rhetoric of the Sophomore year*, in accordance with the rules laid down on p. 74.

ADVANCED STANDING.

A candidate may be admitted to the Sophomore, Junior, or Senior Class, if he appear on examination to be well versed in the following studies: —

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1. In the studies required for admission to the Freshman Class.

2. In all the prescribed studies already pursued by the class for which he is offered; and in as many *elective* studies as he would have pursued, if he had entered at the beginning of the course, including, if he is offered in Course II., elective studies substituted for the Mathematics of the Freshman year.

All candidates for admission to advanced standing must be examined at the times of the regular examinations for admission, and in conformity with the following rules: —

1. All candidates for admission to advanced standing must first be examined for admission to the Freshman Class; for this examination they may offer themselves at either the first or the second examination.

2. The examination on the studies of the Freshman, Sophomore, and Junior years, is held *only in the autumn*, beginning on the Tuesday preceding the last Wednesday in September.

3. All candidates for admission to advanced standing will assemble on the Tuesday preceding the last Wednesday in September, punctually, at eight o'clock A.M., in Harvard Hall.

In the case of graduates of other colleges who seek admission to Harvard College, the examination will be directed to ascertaining whether their previous course of study has been sufficiently extensive, and their proficiency in it sufficiently great, to fit them to join the class for which they offer themselves, a minute acquaintance with all the ground they have previously gone over not being essential. Such candidates should bring evidence of their standing at the colleges where they received their degree.

TIMES AND PLACES OF EXAMINATION.

Two regular examinations for admission to the *Freshman* Class are held each year; one at the beginning of the summer vacation, the other at the beginning of the academic year in the autumn.

In 1880, the first examination will be held in Cambridge, in Cincinnati, Ohio, and in Chicago, Ill., on Thursday, Friday, and Saturday, July 1, 2, and 3; and the second, in Cambridge only, on Wednesday, Thursday, and Friday, September 30, October 1 and 2. For each examination, attendance on the three days is required. Candidates will assemble punctually at 8 o'clock A.M., — in Cambridge, in Harvard Hall; and in Cincinnati and Chicago, at places to be announced in the daily papers of those cities.

Candidates who propose to be examined in Cincinnati are requested to send their names to the Secretary of the University, before June 15.

Persons who do not intend to enter College will be admitted, on payment of a fee of ten dollars, to the examinations at Cincinnati and Chicago; and, if successful, will receive certificates to that effect.

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The *Optional Examinations* will be held at the time of the second examination for admission, beginning on the Tuesday before the last Wednesday in September.

No person will be examined for admission to College at any other times than those above specified.

TESTIMONIALS AND BOND.

All candidates for admission are required, before examination, to produce certificates of good moral character; and students from other colleges are required to bring certificates from those colleges of honorable dismission. *Candidates who divide the examination must produce their testimonials at the time of their final examination for admission.*

Every candidate, if admitted, must furnish to the Bursar a bond for *four hundred dollars*, executed by two bondsmen, one of them a citizen of Massachusetts, as security for the payment of college dues; or, if he prefer, he may make, in place of the bond, a deposit of money with the Bursar for the same purpose.

No officer or student of the University will be accepted as bondsman.

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ORDER OF THE EXAMINATIONS FOR ADMISSION.

METHOD 1. — THE NEW METHOD.

FIRST DAY.

8 A.M.	Candidates assemble in Harvard Hall.	
9½–10½.	Caesar and Virgil.	MINIMUM REQUISITION.
10½–11½.	Latin at Sight, and Composition.	
11½–12½.	English Composition.	
12½–1½.	Ancient History and Geography.	
3–4½ P.M.	Cicero and Virgil.	MAXIMUM REQUISITION.
4½–6.	Latin at Sight, and Composition.	

SECOND DAY.

8-9½ A.M.	Algebra.	MINIMUM REQUISITION.
9½–10½.	Plane Geometry.	
10½–11.	Arithmetic.	
11½–12½.	Translation of Xenophon at Sight, *or* Goodwin's Reader (page 1–111) and Iliad, I., II.	MINIMUM REQUISITION.
12½–1½.	Sentences to be translated into Greek.	
3–4½ P.M.	Trigonometry.	MAXIMUM REQUISITION.
4½–6.	Solid Geometry.	

THIRD DAY.

8–9 A.M.	French or German.	
9–10.	Physics. MINIMUM REQUISITION.	
10½–11½.	Translation of Herodotus at Sight.	MAXIMUM REQUISITION.
11½–1½.	Greek Prose Composition *and* Homer, Iliad.	
3–4½ P.M.	Physics.	MAXIMUM REQUISITION.
4½–6.	Chemistry or Botany.	

METHOD 2. — THE OLD METHOD.

FIRST DAY.

8 A.M.	Candidates assemble in Harvard Hall.
9½–10½.	Latin Grammar.
10½–11½.	Latin Composition, and Latin at Sight.

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11½–12½.	English Composition.
12½–1½.	Ancient History and Geography.
3–4½ P.M.	Caesar, Sallust, and Ovid.
4½–6.	Cicero and Virgil.

SECOND DAY.

8–9½ A.M.	Elementary Algebra.
9½–11.	Plane Geometry.
11½–12½.	Greek Prose Authors.
12½–1½.	Greek Grammar.
3–4 P.M.	Arithmetic.
4–5.	Solid Geometry.
5–6.	Trigonometry.

THIRD DAY.

8–9 A.M.	French or German. [French of the Freshman year.*]
9–10.	Physical Science.
10½–11½.	Modern and Physical Geography.
11½–12½.	Greek Composition.
12½–1½.	Homer.
3–4 P.M.	Analytic Geometry.
4–5.	Advanced Algebra.
5–6.	[German of the Freshman year.*]

☞ Information of the results of the Final examination (*in July*) will be sent to candidates *by mail*, and need not be expected *before the end of the week* following the examination. The returns of the Preliminary examinations will be made still later.

Examinations on the Latin, Greek, Physics, and Chemistry of the Freshman year are held on the last Tuesday of September, as follows: —

A.M.		P.M.	
9–11.	Latin.	3–4½.	Physics.
11½–1½.	Greek.	4½–5½.	Chemistry.

Examinations on the Mathematics, French, and German of the Freshman year are held at the times appointed in the foregoing programmes.

* At the second (autumn) examination *only*.

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COURSE OF STUDY

FOR THE DEGREE OF BACHELOR OF ARTS.

The course of study to be pursued by a candidate for the Bachelor's degree is made up in part of studies which are prescribed for all students alike, and in part of studies selected by the student himself, from the various courses of instruction given in the College.

PRESCRIBED STUDIES.

Prescribed studies occupy the whole of the Freshman year; in the Sophomore year, Rhetoric and certain written exercises are prescribed; in the Junior and Senior years, certain written exercises only are prescribed.

A student will be excused from attendance at the exercises in prescribed Rhetoric, if he passes a satisfactory examination in that study at the beginning of the Freshman or the Sophomore year. *No such examination will be deemed satisfactory, unless the student shall succeed in obtaining at least seven-tenths of the maximum mark.* In case the examination is successful, the mark obtained will be credited to the student as his mark in Rhetoric for the year.

Information concerning the requirements for passing such examinations can be obtained from the Instructor. A student who intends to present himself for the examination *must* give notice to the Dean in writing, before September 1st of the year in which the examination is held.

ELECTIVE STUDIES.

In addition to the prescribed studies, each Sophomore is required to pursue courses, chosen by himself from the elective studies, amounting to *twelve* exercises a week for the year; each Junior, courses amounting to *fourteen* exercises a week; and each Senior, courses amounting to *twelve* exercises a week. Students are at liberty to attend the instruction in as many other subjects as they may have time and taste for pursuing.

In choosing his electives, the student must satisfy his instructors that he is qualified by his previous training to pursue those which he selects. With this limitation, all the courses given in the College are open to him in making his choice; but he is strongly recommended to make his choice with great care, under the best advice, and in such a manner that his elective courses, from first to last, may form a rationally connected whole.

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Undergraduates who intend to study Engineering are recommended by the Scientific Faculty to take, as extras, the courses of Drawing and Surveying in the Scientific School; and those who intend to study Medicine are advised by the Medical Faculty to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages.

It will be seen that students who prefer a course like the usual prescribed course of American colleges can perfectly secure it, under this system, by a corresponding choice of studies; while others, who have decided tastes, or who think it wiser to concentrate their study on a few subjects, obtain every facility for doing so, and still secure in the briefer prescribed course an acquaintance with the elements of the leading branches of knowledge.

THE BACHELOR'S DEGREE.

No student shall be recommended for the degree of Bachelor of Arts until he has attained the minimum mark * in each of the prescribed studies of the College course and of the prescribed number of elective studies, and has, moreover, obtained at least *one-half* of the total maximum mark for the whole course from the time of his admission.

Any student who has not complied with the requisitions for a degree before the end of his college course, may be recommended for a degree in any subsequent year, when he shall have made up all conditions standing against him, and shall have passed all examinations which the Faculty may have required of him on account of his failure to obtain one-half of the maximum mark for the whole course. Any such candidate for the degree of Bachelor of Arts may attend the exercises in any department of instruction in the College, on payment of such fees as are required by the Corporation.

Persons recommended for the degree of Bachelor of Arts may be recommended either for an *ordinary* degree or for a degree *with distinction*. Distinction in the degree shall be in *three grades*; indicated by the words, *cum laude*, *magna cum laude*, and *summa cum laude*, respectively.

Every member of the graduating class who has attained *ninety per cent* of the maximum mark on the general scale for the whole course, or, if he has entered Sophomore, for the last three years of the course, or who receives Highest Honors † in any department, shall be recommended for a degree *summa cum laude*.

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* The minimum mark in a *prescribed* study is one-third of the maximum mark; in an *elective* study, two-fifths.

† See p. 94.

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Every member of the graduating class (not recommended for the degree *summa cum laude*) who has attained *eighty per cent* of the maximum mark on the general scale for the whole course, or *eighty-five per cent* for the last three years, or who receives Honors * in any department, shall be recommended for a degree *magna cum laude*.

Every member of the graduating class (not recommended for the degree *summa* or *magna cum laude*) who has attained *seventy-five per cent* on the general scale for the whole course, or who receives Honorable Mention * in any study, provided he has attained *sixty-five per cent* on the general scale for the whole course, or *seventy per cent* for the last three years, or *seventy-five per cent* for the last two years, shall be recommended for a degree *cum laude*.

The reason for the grade of distinction in the degree shall be stated in the recommendation, in each case, that it may be inserted in the diploma; where two reasons exist, both shall be stated.

Students entitled to a degree with distinction shall receive a part at Commencement.

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* See p. 96.

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COURSES OF INSTRUCTION.

I. ANCIENT LANGUAGES.

ELECTIVE COURSES.

Candidates for Honors in Ancient Languages must have taken six hours a week of instruction in Hebrew, or six hours of Sanskrit, or both; the additional number of hours required for Honors must have been taken in Latin and Greek.

Hebrew.

Hahn's or Theile's Biblia Hebraica. — Conant's Gesenius's Grammar. *Three times a week.* PROFESSOR YOUNG.

Sanskrit.

Elements of Sanskrit Grammar. — Stenzler's Handbook. *Three times a week.* ASSISTANT PROFESSOR GREENOUGH.

II. THE CLASSICS.

ELECTIVE COURSES.

Comparative Philology.

1. Introduction to Comparative Philology. — Lectures. *Once a week.* ASSISTANT PROFESSOR GREENOUGH.

2. Greek and Latin Comparative Philology (Curtius's Etymology. — Papillon's Greek and Latin Inflexions). *Twice a week.* ASSISTANT PROFESSOR GREENOUGH.

Greek.

PRESCRIBED COURSES.

FRESHMAN YEAR.

TEN LECTURES ON GREEK LITERATURE. (Jebb's Primer of Greek Literature.) *Once a week till Christmas.* MR. DYER.

[*Students are advised to read portions of Müller and Donaldson's Literature of Ancient Greece, of Grote's and Curtius's Histories of Greece, and of other books in connection with this course, and will have alternative questions at the examination to cover this reading.*]

MAXIMUM SECTIONS. Lysias (Five Orations). — Plato (Apology and Crito). — Homer (Odyssey, Books I.–XII.). — Translation at Sight. — Sidgwick's Greek Prose Composition. — Goodwin's Greek Moods and Tenses. — Selections from Grote's History of Greece.

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The Advanced Sections, in addition to the above, will read the Medea of Euripides. *Three times a week.* MESSRS. DYER and L. B. R. BRIGGS.

MINIMUM SECTION. Herodotus (Goodwin's Greek Reader). — Homer (Odyssey, Books I.–VIII.). — Translation at Sight. — Greek Prose Composition. — Goodwin's Greek Moods and Tenses. *Three times a week.* MR. L. B. R. BRIGGS.

ELECTIVE COURSES.

1. Sophocles (Oedipus Tyrannus). — Demosthenes (Philippics and Olynthiacs). — Aeschylus (Prometheus). *Twice a week.* ASSISTANT PROFESSOR J. W. WHITE.

2. Homer (Iliad XVIII.) and Lectures on Greek Etymology. — Aristophanes (Birds). — Thucydides (Sicilian Expedition). *Twice a week.* ASSISTANT PROFESSOR J. W. WHITE.

Course 2 *is important for candidates for Second-Year Honors in Classics.*

3. Xenophon (Hellenica). — Herodotus (Four Books). *Twice a week.* ASSISTANT PROFESSOR J. W. WHITE.

Course 3 *is intended for those who wish to acquire the ability to read ordinary Greek prose at sight.*

Students wishing to take this course must first consult the Instructor.

4. Sidgwick's Greek Prose Composition, Part 2. — Reid's Passages for Translation at Sight (written translations from Greek into English). *Once a week.* ASSISTANT PROFESSOR J. W. WHITE.

Course 4 *is intended especially for candidates for Second-Year Honors.*

5. Advanced Greek Composition (especially for candidates for Final Honors). — Written Translations from Greek into English. *Once a week.* PROFESSOR GOODWIN.

6. Arrian (Anabasis). — Polybius (Selections). *Twice a week.* PROFESSOR SOPHOCLES.

7. Demosthenes de Corona and de Falsa Legatione, with parts of Aeschines against Ctesiphon. — Thucydides (parts of Books I., II., and III.). — Athenian History (Times of Pericles and Demosthenes). *Three times a week.* PROFESSOR GOODWIN.

8. Plato (Phaedrus and parts of the Republic). — Aristotle (Politics). *Three times a week.* PROFESSOR GOODWIN.

In Course 8 *attention will be directed mainly to the subject-matter of the authors read. Other works of Plato and the Ethics of Aristotle will be read in this course in* 1880–81.

Course 8 *is important for candidates for Final Honors in Classics.*

9. Aeschylus (Septem and Eumenides). — Sophocles (Oedipus at Colonus). — Aristophanes (Knights and Clouds). — Lyric Poets (Selections). *Three times a week.* PROFESSOR GOODWIN.

Course 9 *is intended for those who wish to read rapidly, and have attained some facility in reading.*

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Latin.

PRESCRIBED COURSES.

FRESHMAN YEAR.

TEN LECTURES ON ROMAN LITERATURE. *Once a week till Christmas.* MESSRS. HALE and GOULD.

[*Students are advised to read portions of Cruttwell's and of Teuffel's Histories of Roman Literature and of Mommsen's and of Ihne's Histories of Rome in connection with this course, and will have alternative questions at the examination to cover this reading.*]

MAXIMUM SECTIONS. Livy (Selections from Books I.–V.). — Cicero (Walford's Extracts, Part I., in connection with Composition). — Horace (Odes and Epodes). — Ihne's Early Rome. — Translation at Sight and Composition.

The Advanced Sections, in addition to the above course, will read the Laelius of Cicero.

The MINIMUM SECTION reads smaller quantities than the Maximum Sections, and omits composition. *Three times a week.* MESSRS. HALE and GOULD.

ELECTIVE COURSES.

1. Cicero (Epistles). — Terence (Andria). — Horace (Epistles). *Twice a week.* ASSISTANT PROFESSOR SMITH.

2. Cicero (Pro Murena, or Pro Sestio). — Terence. — Horace (Satires). ASSISTANT PROFESSOR GREENOUGH.

3. Latin Composition (First Course). *Once a week.* ASSISTANT PROFESSOR SMITH.

Courses 1 *and* 2 *are open only to students who have not before taken a Latin Elective. In Course* 1 *the instruction aims at a careful study of the works read; in Course* 2 *a considerable part of the instruction is given by reading at sight.*

4. Latin Poetical Literature (Thackeray's Anthology. — Cruttwell's History of Roman Literature). *Twice a week.* ASSISTANT PROFESSOR SMITH.

5. Tacitus. — Suetonius. — Juvenal. *Three times a week.* PROFESSOR LANE.

6. Latin Composition (Second Course). *Once a week.* ASSISTANT PROFESSOR SMITH.

Course 5 *is intended for students who have already taken* 1, 2, *or* 4. *Course* 6 *is open to those only who have already taken Course* 3 *or its equivalent.*

7. Plautus. — Cicero. — Catullus. — Lucretius. *Three times a week.* PROFESSOR LANE.

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8. Latin Composition (Third Course). *Once a week.* PROFESSOR LANE.

Course 7 is for students who have taken Course 5. Course 8 is open to those only who have already taken Course 6.

Candidates for Honors in the Classics may substitute a course in Sanskrit for the same number of hours in the Classics.

III. MODERN LANGUAGES.

A student who elects a Modern Language must study it in that course which his proficiency fits him to pursue.

English.

PRESCRIBED COURSES.

SOPHOMORE YEAR.

Rhetoric. — Hill's Principles of Rhetoric. — Abbott's How to Write Clearly. — Addison, Goldsmith, Irving, Macaulay, Scott. — Burke's Speech on Conciliation with America. — Exercises in Writing and Criticism. *Twice a week.* Mr. WARE.

Six Themes. Mr. PERRY.

JUNIOR YEAR.

Six Themes. PROFESSOR HILL and Messrs. WARE and PERRY.

Four Forensics. ASSISTANT PROFESSOR PALMER.

SENIOR YEAR.

Four Forensics. PROFESSOR PEABODY.

ELECTIVE COURSES.

1. English Literature. — Chaucer. — Bacon. — Milton. — Dryden. *Three times a week.* PROFESSOR CHILD.

2. English Literature. — Shakspere. *Three times a week.* PROFESSOR CHILD.

3. Anglo-Saxon. — Sweet's Anglo-Saxon Reader. *Twice a week.* PROFESSOR CHILD.

4. Early English. — Mätzner's Altenglische Sprachproben. *Twice a week.* PROFESSOR CHILD.

5. Rhetoric and Themes (Advanced Course). *Three times a week.* PROFESSOR A. S. HILL.

6. Oral Discussion. *Once a fortnight (three hours), to count as a one-hour course. Open to Seniors only.* PROFESSOR A. S. HILL.

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7. Principles of Literary Criticism, in connection with English Literature of the Eighteenth and Nineteenth Centuries. *Once a week.* PROFESSOR A. S. HILL.

Students wishing to take Course 5 or 6 must consult the Instructor in advance. One hour of Course 5 can be used as an equivalent for Junior Themes, in which case the Course will count as two hours of elective work.

German.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Sheldon's Grammar. — Translation from German into English, and elementary exercises in translating into German. *Three times a week.* MESSRS. SHELDON and LUTZ.

Required of students who did not offer German at their examination for admission.

ELECTIVE COURSES.

1. German Plays, Stories, and Essays. — Advanced Grammar. *Three times a week.* ASSISTANT PROFESSOR COOK.

Course 1 can be taken twice a week, if notice to that effect is given in advance.

2. German Historical Prose. *Three times a week.* ASSISTANT PROFESSOR BARTLETT.

Course 2 is intended for those who wish to read a large amount of German as a preparation for the use of the language in studies of the Junior and Senior years, and is not open to Seniors. Much of the instruction will be given by reading at sight.

3. German Scientific Prose. *Twice a week.* MR. HODGES.

Course 3 will count only as a one-hour study for those who have already taken an elective course in German.

4. German Grammar and Composition. *Once a week.* ASSISTANT PROFESSOR COOK.

5. Subjects in German History and Literature of the Nineteenth Century. *Three times a week.* ASSISTANT PROFESSOR BARTLETT.

Course 5 is conducted wholly in German, and is recommended as a preparation for Course 7.

6. Goethe, Lessing, Schiller. — Composition. *Three times a week.* ASSISTANT PROFESSOR COOK.

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7. German Literature from 1750 to 1825. — Examination of the Lives and Works of the chief writers. *Three times a week.* ASSISTANT PROFESSOR BARTLETT.

Course 7 is open to those only who have had practice in reading at sight.

8. Richter. — Goethe. — Composition. *Three times a week.* PROFESSOR HEDGE.

Course 8 is open to those only who have had practice in German composition.

Courses 1, 2, and 4 are intended for Sophomores, and cannot be taken by those who have had an elective course in German.

Courses 6, 7, and 8 are intended for students who have already had an elective course in German.

Students wishing to take Courses 5, 6, 7, or 8, must first consult the Instructor.

French.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Brachet (Grammaire française). — Bôcher's Reader. — Modern Plays and Novels. *Three times a week.* ASSISTANT PROFESSOR JACQUINOT.

Required of students who did not offer French at their examination for admission.

ELECTIVE COURSES.

1. Sandeau. — G. Sand. — French Plays. — Exercises in Conversation and Composition. *Three times a week.* ASSISTANT PROFESSOR JACQUINOT.

2. La Fontaine. — Racine. — Taine. — Alfred de Musset. — Grammar and Composition *Three times a week.* PROFESSOR BÔCHER.

3. Molière. — Corneille. — Montaigne. — Gidel (Littérature française). — Grammar and Composition. — Lectures. *Three times a week.* PROFESSOR BÔCHER.

4. Littérature française au XIXème Siècle. — Themes — Lectures. *Three times a week.* ASSISTANT PROFESSOR JACQUINOT.

Course 4, in three successive years, embraces the French literature of the 17th, 18th, and 19th centuries.

Courses 3 and 4 may be taken twice a week, if the student gives notice to that effect in making his choice of studies.

[5. Old French. — Chanson de Roland. — Chrestomathie de l'ancien français.]

Course 5 will not be given in 1879–80.

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6. Historical French Prose. *Twice a week.* MR. BENDELARI.

In Course 6 a large amount will be read, and students will be examined on the matter read, as well as on the language. This course can be taken in addition to 1 *or* 2.

All the French courses, except Course 6, are conducted wholly in French.

A student who wishes to elect French for the first time must consult the Instructor in advance as to the course which it will be proper for him to take.

Italian.

1. De Amicis (La Vita Militare). — Puccianti (Antologia della Prosa Italiana Moderna). — Silvio Pellico (Le Mie Prigioni). — Toscani's Grammar. — Prose Composition. *Three times a week.* MR. BENDELARI.

2. A. Manzoni (I Promessi Sposi). — Modern Plays. — Alfieri. — Torquato Tasso. — Syntax and Prose Composition. *Three times a week.* ASSISTANT PROFESSOR NASH.

3. Ariosto; Boccaccio; Petrarca; Dante. (Selections from each.) — Nannucci's Manuale della Letteratura del Primo Secolo. — Composition. *Three times a week.* ASSISTANT PROFESSOR NASH.

Course 8 is open to those students only who have taken Courses 1 *and* 2 *with marked success.*

Spanish.

1. Prose Selections. — Gil Blas. — Josse's Grammar. — Prose Composition. *Three times a week.* MR. BENDELARI.

2. Modern Plays. — Cervantes (Selections). — Syntax and Prose Composition. *Three times a week.* ASSISTANT PROFESSOR NASH.

3. Early Spanish Literature: Selections from Calderon, Lope de Vega, and the Poem of the Cid. — Composition. *Three times a week.* ASSISTANT PROFESSOR NASH.

Course 8 is open to those students only who have taken Courses 1 *and* 2 *with marked success.*

Students cannot elect Italian 1 *and Spanish* 1 *in the same year.*

IV. PHILOSOPHY.

1. The Laws of Thought and the Phenomena of Consciousness. — Lectures on Logic and Psychology. *Twice a week.* PROFESSOR BOWEN.

2. Logic and Metaphysics. — Jevons's Logic. — Ferrier's Lectures on the Greek Philosophy. *Twice a week.* ASSISTANT PROFESSOR PALMER.

Courses 1 *and* 2 *cannot be taken together, nor can either be taken by any student who has taken the other. They are recommended as a preparation for stu-*

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dents intending to take either 5, 6, 7, *or* 8 *in a subsequent year, but are not to be taken at the same time with any of the advanced courses.*

3. The Philosophy of Evolution. — Spencer's First Principles. — Lectures. *Twice a week.* ASSISTANT PROFESSOR JAMES.

Courses 1, 2, *and* 3 *are intended for beginners, and cannot be counted for Honors.*

4. Ethics. — Peabody's Moral Philosophy. — Janet's La Morale. — Lectures on the History of Moral Philosophy. *Three times a week.* PROFESSOR PEABODY.

5. Contemporary Philosophy. — Renouvier's Essais de Critique Générale. — Lectures. *Three times a week.* ASSISTANT PROFESSOR JAMES.

6. English Philosophy: Locke. — Berkeley. — Hume. *Three times a week.* ASSISTANT PROFESSOR PALMER.

7. Earlier French Philosophy, from Descartes to Leibnitz, and German Philosophy, from Kant to Hegel. — Lectures. *Three times a week.* PROFESSOR BOWEN.

8. German Philosophy of the Present Day. — Schopenhauer's Die Welt als Wille und Vorstellung. — Hartmann's Philosophie des Unbewussten. *Three times a week.* PROFESSOR BOWEN.

Course 8 *is open only to students who take or have already taken Course* 7.

Courses 6, 7, *and* 8 *are required for Honors in Philosophy; but Course* 8 *in Greek may be taken in place of one other course in Philosophy.*

V. POLITICAL ECONOMY.

1. (Partial Course.) Selections from Mill's Principles of Political Economy. — Financial Legislation of the United States. — Lectures. *Twice a week.* PROFESSOR DUNBAR and DR. LAUGHLIN.

2. Mill's Principles of Political Economy. — Financial Legislation of the United States. — Lectures. *Three times a week.* PROFESSOR DUNBAR.

Courses 1 *and* 2 *cannot be taken together, nor can either be taken by any student who has taken the other.*

3. Cairnes's Leading Principles of Political Economy. — McLeod's Elements of Banking. — Bastiat's Harmonies Economiques. — Lectures. *Three times a week.* PROFESSOR DUNBAR.

Course 3 *is open to those only who have passed satisfactorily in Course* 2.

VI. HISTORY.

1. Mediaeval and Modern History, chiefly of Germany, Italy, and Spain (Introductory Course). *Twice a week.* DR. EMERTON.

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2. Mediæval and Modern History, chiefly of France and England (Introductory Course). *Twice a week.* MR. MACVANE.

3. Constitutional Government in England and the United States (Introductory Course). *Twice a week.* MR. MACVANE.

Courses 1, 2, *and* 3 *are designed particularly for Sophomores, and are not counted for Honors. No Sophomore can take an advanced course, unless he first satisfies the Instructor of his ability to pursue it.*

4. Later Roman and Early Mediaeval History, with special reference to Institutions. *Twice a week.* PROFESSOR GURNEY.

[**5.** The General History of Europe from the beginning of the Ninth to the end of the Thirteenth Century. *Three times a week.* DR. EMERTON.]

Course 5 *will be omitted in* 1879–80.

6. The Revival of Learning and the Reformation (1300–1550). *Three times a week.* DR. EMERTON.

7. History of England to the Seventeenth Century. *Three times a week.* MR. MACVANE.

8. Constitutional and Political History of the United States. *Three times a week.* MR. HOAGUE.

[**9.** European History during the Seventeenth Century and the first half of the Eighteenth. *Three times a week.*]

Course 9 *will be omitted in* 1879–80.

10. European History from the Middle of the Eighteenth Century. *Three times a week.* PROFESSOR TORREY.

Course 10 *is open to Seniors and Juniors only.*

In 1880–81, *students wishing to take an advanced course will be required to have passed satisfactorily in a suitable introductory course, or otherwise to satisfy the Instructor of their fitness to proceed.*

Ability to read German will be of advantage to students in any of these courses. Every student will be presumed to be able to make use of French text-books.

Candidates for Honors in History may substitute Course 2 *or* 3 *in Political Economy for one course in History. They may substitute the course in Roman Law and (if permitted by the Faculty) Graduate Course* 22 *(International Law) for two courses in History.*

Under this head is placed, for convenience,

Roman Law. — Institutes of Gaius and Justinian. *Three times a week.* PROFESSOR GURNEY.

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VII. THE FINE ARTS.

1. Principles of Design in Painting, Sculpture, and Architecture. *Three times a week.* MR. MOORE.

2. Ancient Art. — Reber's Kunstgeschichte des Alterthums. *Twice a week.* PROFESSOR NORTON.

Course 2 *will be omitted in* 1880–81.

[**3.** Art from the Fall of the Roman Empire to the Year 1600. *Twice a week.* PROFESSOR NORTON.]

Course 3 *will be omitted in* 1879–80.

[**4.** Greek Art. *Three times a week.* PROFESSOR NORTON.]

Course 4 *will be omitted in* 1879–80.

5. Romanesque and Gothic Art, from the Year 1000 to 1350. *Three times a week.* PROFESSOR NORTON.

Course 5 *will be omitted in* 1880–81.

Students who have taken Course 2 *or* 5 *in* 1879–80 *must consult the instructor before electing Course* 3 *or* 4 *for* 1880–81.

Ability to use a German text-book will be required of students taking any of the courses in Fine Arts, except Course 1.

VIII. MUSIC.

1. Harmony. *Twice a week.* PROFESSOR PAINE.

2. Counterpoint. *Three times a week.* PROFESSOR PAINE.

3. History of Music. *Three times a week.* PROFESSOR PAINE.

4. The Instrumental Music of Haydn, Mozart, Beethoven, and their Successors. *Once a week.* PROFESSOR PAINE.

A knowledge of the Major and Minor keys and some proficiency in piano or organ playing will be required of students who take Course 1 *or* 4.

A knowledge of musical notation and some practical knowledge of vocal and instrumental music will be required of students who wish to take Course 3.

Course 4 *may be taken with Course* 1 *or* 2, *or independently.*

Candidates for Honors in Music must have taken, in addition to courses in Music amounting to fourteen hours, a course amounting to one hour a week for one year in Acoustics.

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IX. MATHEMATICS.

PRESCRIBED COURSES.

FRESHMAN YEAR.

1. Solid Geometry (Chauvenet). — Plane Trigonometry (Wheeler). — Analytic Geometry (Lectures). *Twice a week till Christmas; three times a week, for the rest of the year.* ASSISTANT PROFESSOR BYERLY, MR. G. R. BRIGGS, and MR. WHEELER.

2. Algebra (Todhunter). — *Once a week till May* 1. ASSISTANT PROFESSOR C. J. WHITE.

In place of 1, the *Advanced Section* takes a more extended course in Analytic Geometry (Lectures.) *Twice a week until Christmas; three times a week for the rest of the year.* MR. G. R. BRIGGS.

Members of this section take Algebra with the ordinary sections.

ELECTIVE COURSES.

1. Practical Applications of Trigonometry. — Principles of Surveying. — Spherical Trigonometry. — Applications of Spherical Trigonometry to Astronomy and Navigation. *Twice a week.* ASSISTANT PROFESSOR C. J. WHITE.

2. Differential and Integral Calculus (First Course). *Twice a week.* PROFESSOR J. M. PEIRCE.

3. Theory of Equations. *Twice a week for the year, or for half the year.* PROFESSOR J. M. PEIRCE.

4. Analytic Geometry. For students who have taken the Advanced Freshman Course in Mathematics. *Twice a week.* ASSISTANT PROFESSOR BYERLY.

5. Differential and Integral Calculus (Second Course). *Three times a week.* ASSISTANT PROFESSOR BYERLY.

6. Analytic Mechanics (First Course). *Three times a week.* PROFESSOR J. M. PEIRCE.

7. Descriptive Geometry and Perspective. *Three times a week.* PROFESSOR EUSTIS.

8. Analytic Mechanics and the Theory of Light. *Three times a week.* ASSISTANT PROFESSOR BYERLY.

9. Quaternions (Second Course). *Three times a week.* PROFESSOR J. M. PEIRCE.

10. Exercises in Quaternions. *Twice or three times a week.* PROFESSOR B. PEIRCE.

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Students are also permitted to elect the course for beginners in Analytic Geometry given to the Freshman Advanced Section (two hours a week before Christmas, and three hours a week afterwards) as a two-hour elective.

Courses 2, 3, *and* 4 *are prescribed for candidates for Second-Year Honors for* 1880; *but for* 3 *or* 4 *either* 5, 6, *or* 7 *may be substituted.*

Course 10 *must be taken by candidates for Final Honors in* 1880.

X. PHYSICS.

PRESCRIBED COURSE.

FRESHMAN YEAR.

MINIMUM SECTIONS. Mechanics, Hydrostatics, Pneumatics, Light. *Twice a week.* MR. WILLSON.

MAXIMUM SECTION. General Physics. MR. N. D. C. HODGES.

ELECTIVE COURSES.

1. Astronomy, Optics, and Acoustics. *Twice a week.* PROFESSOR LOVERING.

Course 1 *may be taken three times a week, if the student gives notice to that effect in making his choice of studies.*

2. Practical exercises in the Laboratory, including the use of instruments of precision in testing the laws of Mechanics, Acoustics, Optics, Magnetism, and Electricity; and an extended course in Electrical Measurements. *Three times a week.* ASSISTANT PROFESSOR TROWBRIDGE.

3. The Conservation of Energy. — Recitations and Lectures. *Twice a week.* ASSISTANT PROFESSOR TROWBRIDGE.

4. Undulatory Theory of Light. — Electricity and Magnetism. *Three times a week.* PROFESSOR LOVERING.

5. The Spectroscope and its Applications. — Thermodynamics and Thermics, including the Applications of Heat. *Three times a week.* PROFESSOR GIBBS.

Courses 1 *and* 4 *can be pursued only by students who are able to solve readily problems in Algebra and Trigonometry; and Course* 4 *will, in addition, require similar familiarity with Analytic Geometry. The same requisitions are made for Course* 5, *together with some knowledge of the Calculus.*

Candidates for Honors in Physics must take Courses 2, 4, *and* 5, *and Course* 2 *in Mathematics; the remaining five hours may be taken in Physics, Mathematics, or Chemistry.*

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XI. CHEMISTRY.

PRESCRIBED COURSE.

FRESHMAN YEAR.

Elementary Chemistry (20 Lectures). *Once a week.* PROFESSOR COOKE.

ELECTIVE COURSES.

1. Descriptive Chemistry (with laboratory work). *Three times a week.* ASSISTANT PROFESSOR JACKSON.

2. Determinative Mineralogy and Lithology (with study in the mineral cabinet). *Three times a week.* PROFESSOR COOKE and MR. MELVILLE.

3. Qualitative Analysis and Chemical Philosophy (with laboratory work). *Three times a week.* ASSISTANT PROFESSOR H. B. HILL.

Course 3 *is open only to students who have taken Course* 1.

4. Quantitative Analysis (in the laboratory). *Three times a week.* PROFESSOR COOKE and MR. HODGES.

Course 4 *is open only to students who have taken Course* 1 *or Course* 2.

5. The Carbon Compounds. — Lectures and laboratory work. *Three times a week.* ASSISTANT PROFESSOR H. B. HILL.

Course 5 *is open only to students who have taken Course* 3.

6. Advanced Course in Experimental Chemistry (in the laboratory). *Three times a week.* PROFESSOR COOKE.

Course 6 *is open only to students who have taken Course* 4.

7. Crystallography and the Physics of Crystals (with work in the mineral cabinet). *Three times a week.* PROFESSOR COOKE.

Course 7 *is open only to students who have taken Course* 2.

Candidates for Honors in Chemistry must take at least twelve hours of Electives in Chemistry; the remaining four hours may be taken in Chemistry, Physics, Mathematics, or Natural History.

XII. NATURAL HISTORY.

1. Physical Geography and Meteorology. *Three times a week.* MR. DAVIS.

Course 1 *may be taken twice a week, omitting the third hour (Meteorology), if notice to that effect be given in advance.*

2. Zoölogy. *Twice a week.* DR. MARK.

3. Botany. Gray's Text-Book. — Lectures and laboratory work. *Three times a week.* PROFESSOR GOODALE.

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Course 3 *may be taken twice a week, by omitting laboratory work, if notice to that effect is given in advance.*

4. Geology. *Three times a week.* PROFESSOR SHALER and MR. DAVIS.

Course 4 *can be taken twice a week, omitting the field-work, if notice to that effect be given in advance.*

5. Biology (Morphology of Plants and Animals). *Three times a week.* PROFESSOR FARLOW and DR. FAXON.

Course 5 *is especially recommended for students intending to study Medicine.*

6. Advanced Zoölogy. *Three times a week.* DR. FAXON.

Course 6 *can be taken only by students who have taken Courses* 3 and 6 of 1878–79. *In* 1880–81, *Course* 6 *can be taken only by those who take Course* 5 *of* 1879–80.

7. Advanced Botany. — Lectures and laboratory work. *Three times a week.* PROFESSORS GOODALE and FARLOW.

Course 7 *can be taken only by students who have taken Course* 6 *of* 1878–79, *In* 1880–81, *Course* 7 *can be taken only by those who take, during* 1879–80. *Course* 3 (*three hours*) *with the Summer Course in Botany, and by those who take Course* 5.

Courses 1, 2, 3, *and* 4 *are intended for beginners, and those who wish to get a comprehensive view of these subjects.*

Courses 3 *and* 5 *must be taken by candidates for Honors in Natural History.*

Candidates for Honors in Natural History may substitute Course 2 *in Chemistry for one course in Natural History.*

VOLUNTARY INSTRUCTION.

Elocution. — Exercises (open to Sophomores and Freshmen in sections, and to Seniors and Juniors singly). MESSRS. TICKNOR and RIDDLE.

The English Dramatists. — Lectures (open to all undergraduates). *Once a week.* MR. PERRY.

Political Economy. — Three lectures (open to the public). PROFESSOR NEWCOMB.

Physics. — Lectures (open to Seniors, Juniors, and Sophomores). *Once a week.* PROFESSOR LOVERING.

Physiology and Hygiene. — Lectures (open to all undergraduates). *Once a week.* ASSISTANT PROFESSOR JAMES.

Evening Readings. — (See p. 205.)

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GROUPS FOR THE MID-YEAR AND FINAL EXAMINATIONS, 1879–80.

☞ No student will be examined (whether to make up conditions or otherwise) in more than one course in any of these Groups.

I.
Latin 3.
English 1.
French 2.
Political Economy 2.
Mathematics 2.
Chemistry 5.
Natural History 1.

II.
Classics 1.
Latin 1, 7.
English 2, 7.
Italian 2.
Philosophy 8.
Mathematics 3.
Physics 5.
Chemistry 2.

III.
Latin 2.
English 3.
Spanish 2.
Philosophy 7.
Mathematics 6, 7.
Physics 1.
Chemistry 7.

IV.
German 8.
Italian 3.
Philosophy 3, 6.
English 5.
Mathematics 9.
Physics 4.
Chemistry 1, 3.
Natural History 4.

V.
Classics 2.
Greek 1.
German 2.
Political Economy 3.
Spanish 3.
History 4.
Fine Arts 1, 5.
Mathematics 1.
Natural History 5.
Music 3.

VI.
Hebrew.
Sanskrit.
Greek 4.
French 1.
Philosophy 4.
Roman Law.
Fine Arts 2.
Chemistry 4, 6.
Music 2.

VII.
Greek 2, 8.
German 1, 3.
French 3, 4.
History 6.
Mathematics 5.

VIII.
Greek 6.
Latin 4, 8.
German 4.
Italian 1.
Philosophy 1.
History 1, 10.
Physics 2.
Natural History 6.

IX.
Greek 3, 9.
German 6.
Political Economy 1.
History 7.
Mathematics 4.
Natural History 7.

X.
Greek 7.
German 5.
Spanish 1.
Philosophy 2, 5.
History 3, 8.
Mathematics 8.
Natural History 2.

XI.
Greek 5.
Latin 6.
French 6.
Music 1.
Physics 3.
Natural History 3.

XII.
English 4, 6.
German 7.
History 2.
Music 4.

XIII.
RHETORIC.
Latin 5.

The order of groups for the Mid-Year Examinations will be announced on or before December 1st; and, for the Final Examinations, on or before April 1st.

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HONORS.

SECOND-YEAR HONORS IN THE CLASSICS AND IN MATHEMATICS.

Second-Year Honors of two grades — *Honors* and *Highest Honors* — are open to Sophomores and Juniors, and to Seniors who intend to be candidates for Final Honors in some year after graduation; they are not open to Freshmen, except by special vote of the Faculty. They are awarded by the Faculty, on the recommendation of a special committee of examiners.

I. CLASSICS. — Second-Year Honors are awarded in *the Classics* on two conditions. The first condition is distinguished excellence in the required classical work of the Freshman year, and in the work of elective classical courses amounting to six hours a week for one year. The second condition consists in passing with distinction a special examination: —

(*a*) In the translation at sight of passages taken from the less difficult Greek and Latin authors.

(*b*) In Greek and Latin Prose Composition.

(*c*) In the translation of specified portions of Greek and Latin authors to be announced from time to time.

II. MATHEMATICS. — Second-Year Honors are awarded in *Mathematics* on two conditions. The first condition is distinguished excellence in all the mathematical work of the Freshman year, and in the work of elective mathematical courses amounting to six hours a week for one year. The second condition consists in passing with distinction a special examination, partly written and partly oral, which will involve a moderate amount of work additional to that comprised in the regular courses, and may be extended to cover the whole mathematical knowledge of the candidates.

The special examinations are held toward the end of the Academic Year.

No one can be a candidate at graduation for Final Honors in the Classics or in Mathematics who has not previously taken Second-Year Honors in the same department, nor for Final Honors in Ancient Languages who has not previously taken Second-Year Honors in the Classics.

Candidates for Second-Year Honors are required to register their names at the Dean's Office as early as *the first of April* of the year in which they present themselves for examination.

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Candidates for Classical Honors will designate at the same time which elective course they intend to offer to satisfy the first condition as described above.

In 1879, Second-Year Honors were assigned to the following students:—

IN CLASSICS.

Senior Class.

HENRY BAILY.
EDWARD LOVELL HOUGHTON.

Junior Class.

FRANK MILTON GILLEY.
CHARLES DUDLEY MARCH.
WALTER HORTON RHETT.
WILLIAM GEORGE TAYLOR.

Sophomore Class.

EDWARD WINSLOW BREWER.
WILLIAM HENRY COOLIDGE.
GEORGE WASHINGTON DICKERMAN.
RICHARD EDWARDS.
HENRY OLMSTEAD JONES.
JOHN EDWARD MAUDE.
JOHN WILLIAM O'CALLAGHAN.
CHESTER ALLYN REED.
ISAAC LOTHROP ROGERS.
JOHN CAREW ROLFE.
JOEL HERBERT SEAVERNS.
IRVING GARDINER STANTON.
GEORGE ALLEN STAPLES.
EDMUND ALLEN WHITMAN.

Unmatriculated Student.

BENJAMIN FOSDICK HARDING.

Highest Honors.

Junior Class.

WILLIAM KING RICHARDSON.

Sophomore Class.

FARLEY BREWER GODDARD.
JAMES ROBBINS HOWE.

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EDWIN CULL HOWELL.
ARTHUR ORCUTT JAMESON.
WILLIAM COOLIDGE LANE.
JAMES BETTNER LUDLOW.
HARRY LEVERETT NELSON.
ARTHUR WELLINGTON ROBERTS.
HENRY EDWARDS SCOTT.

IN MATHEMATICS.

Highest Honors.

Senior Class.

WARREN NORTON GODDARD.

Sophomore Class.

FREDERIC JOAQUIM BARBOSA CORDEIRO.
EDWIN CULL HOWELL.
JOSEPH ELWYN MAXFIELD.
CHARLES BINGHAM PENROSE.
HERMAN IVAH THOMSEN.

HONORS AT GRADUATION.

Special Honors, of two grades, may be given at graduation for great proficiency in one or more of the following departments: Ancient Languages, Classics, Modern Languages, Philosophy, History, Mathematics, Physics, Chemistry, Natural History, Music. The department in which honors are awarded, and the grade of the honors, are stated in the diploma.

A candidate for these Honors in any department must satisfy the following requisitions: —

I. He must have passed *with distinction* examinations: (*a*) on all the prescribed work of the College in that department; (*b*) on elective courses in that or kindred departments,* equivalent, if the department be modern Languages, to *nineteen hours* per week for one year; if it be Ancient Languages, Classics, or Mathematics, to *eighteen hours;* if it be History or Natural History, to *seventeen hours;* if it be Physics or Chemistry, to *sixteen hours;* if it be Philosophy or Music, to *fifteen hours*. A candidate for Honors in more than one subject is not allowed, in making up the requisite number of hours, to count any course more than once.

* Information as to Electives which must or may be taken for Honors in any department, will be found in the preceding pages under the announcement of Electives in that department. In special cases suitable graduate courses may, by a vote of the Faculty, be substituted for Undergraduate Courses.

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II. If the department be classics, the candidate must be able to read ordinary Greek and Latin at sight, and to write Greek and Latin prose; if it be Modern Languages, he must be able to read French and German at sight, and to write French and German, and must further offer himself for examination in Italian, Spanish, or English.

III. If the department be Classics or Mathematics, he must have taken Second-Year Honors in the department; if it be Ancient Languages, he must have taken Second-Year Honors in Classics.

IV. Whatever be the department, the candidate must present such theses as may be required of him, and must also, near the close of the Senior year, pass an examination before a committee of the Faculty, on the subject in which he offers himself for Honors, for the purpose of testing the range and accuracy of his knowledge of it. This examination may be either oral, written, or by experimental work, as the committee shall determine.

Students who have failed to pass with distinction any of the examinations required for Honors may, with the consent of the Faculty, make up their deficiencies by passing such additional examinations as may be required of them; but no such permission will be granted for failures occurring after the beginning of the Senior year.

Honors, however, will be given to graduates not entitled to Honors at graduation, who shall have complied with all the requisitions for Honors in any department in some subsequent year.

Every student who desires to be regarded as a candidate for Honors at graduation must register his name at the Dean's office before the *first day of June* in his Junior year.

At Commencement, 1879, Honors were assigned to members of the Graduating Class as follows: —

IN CLASSICS.

ARTHUR ANDERSON BROOKS.
SAMUEL DELANO.
ERNEST JACKSON, A.B.
WEBSTER KELLEY.
FRANK BARTLETT PATTEN.
EDWARD EMERSON PHILLIPS, A.B.

Highest Honors.

HERBERT MORISON CLARKE, A.B.
EDWARD HALE.

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IN PHILOSOPHY.

WILLIAM WARREN CASE.
WILLIAM BANCROFT HILL.
FRANK LESLIE PORTER.

IN HISTORY.

GEORGE HOADLY.
WILLIAM SCHOFIELD.

Highest Honors.

WALLACE MACFARLANE.
FRANCIS JOSEPH SWAYZE.
FRANK WILLIAM TAUSSIG.

IN CHEMISTRY.

CLEMENT WALKER ANDREWS.

IN MUSIC.

Highest Honors.

RICHARD HEARD.

HONORABLE MENTION AT GRADUATION.

Beginning with 1879–80, such members of the graduating class as shall be selected by the Faculty will receive Honorable Mention, on the Commencement programme and in the Annual Catalogue, in any one or more of the following studies: Greek; Latin; English; English Composition; German; French; Italian and Spanish; Philosophy; Political Economy; History; Fine Arts; Music; Mathematics; Physics; Chemistry; Natural History. The usual ground of Honorable Mention in any study will be the attainment of a general average of *eighty per cent* of the maximum mark in such an amount of elective work in that study as is equivalent to *eight hours* of recitation a week for an academic year; there are, however, certain special limitations of the Faculty relating to the choice of electives in this connection. In Political Economy and in Fine Arts, the deficiency in the number of hours may be made up in some cognate study. In English Composition, a general average of *eighty-five per cent* in the required Themes and Forensics, or in English 5 and either Themes or Forensics, will be the ground of Honorable Mention. In all studies, the Faculty reserve the liberty of considering individual cases on their merits, and departing from the strict application of the above rule.

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PRIZES.

I. DETURS.

A distribution of books called *Deturs* is made from the income of the Hopkins Foundation, near the beginning of the Academic Year, to meritorious students of one year's standing. *Deturs* are also given to such members of the Junior Class as, not having received them in the Sophomore year, shall, in the course of that year, make decided improvement in scholarship. Twenty-eight *Deturs* were given in the Sophomore Class and two in the Senior Class, the last year.

II. BOWDOIN PRIZE DISSERTATIONS.

Nine prizes, from the foundation of James Bowdoin, are offered to students resident at the University, who are candidates for any degree of the University: —

I. Two prizes (*one hundred dollars each*) for the best dissertations on any of the subjects enumerated in II., III., and IV., or for the best translation of either of the passages proposed for translation into Latin or Greek in III. (*b*), written by graduates of any college who are resident at the University as candidates for a degree, or by members of the Senior Class of 1878–79 in Harvard College.

II. Three prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *How far Psychology has been aided by discoveries in Physiology.*
2. *Gray's Place in Literature.*
3. *The revival, in the eighteenth century, of Interest in Gothic Architecture, in connection with the revival of the Sentiment of Nature in English Poetry.*
4. *The Principle and the Practical Applications of the Law of Copyright.*
5. *Cardinal Newman, as Thinker and Writer.*
6. *Burke, as a Statesman.*
7. *The Political Career of Dr. Franklin.*
8. *The results of recent Archæological Investigation in America.*
9. *The Depression of the Agricultural Interest in England.*

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III. (*a*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best dissertation on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *The intercourse of the Early Greeks with Foreign Countries, as illustrated by recent discoveries.*
2. *The Relation between Etruscan and Greek Art.*
3. *The Development of Comparative Philology during the last fifty years.*
4. *The Comparative Popularity of Greek and Latin Literature at the Present Day.*
5. *Aristophanes as a Critic of Euripides.*

(*b*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best translation of any of the following passages, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *A Translation into Attic Prose of the last paragraph of Grote's History of Greece, Part II., Chapter* 90, *beginning, "Thus perished the destroyer of Freedom."*
2. *A Translation into Latin from Prescott's Conquest of Mexico, Book III., Chap. IX., to the sentence beginning "Cortés' first care was."*

IV. Two prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *The Telephone, the Microphone, and the Phonograph.*
2. *The Supposed Intra-Mercurial Planet.*
3. *Physical Sciences in France during the Eighteenth Century.*
4. *The Direction of the Future Development of the Steam Engine.*
5. *Science in the Secondary Schools.*
6. *Thermo-Chemistry.*
7. *Oxygen in the Sun.*
8. *The Relations of Phyllotaxis to the Floral Envelopes.*
9. *The Origin of Marine Currents.*
10. *The Formation of Mountains.*

Dissertations offered by *Seniors of* 1879–80 *must* be deposited with the Dean of the College Faculty on or before Commencement, 1880. All other dissertations for these prizes *must* be deposited with the Dean of the College Faculty on or before the *first day of November*, 1880. The title-page must, with an assumed name, state the standing of the writer, as Graduate or Undergraduate, and, if the latter, of what class, and in what department of the University. A sealed letter must be sent in at the same

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time, under cover with the dissertation, containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter paper, of good quality, of the quarto size, with a margin of not less than one inch at the top and bottom, and on each side, so that, if successful, they may be bound up, without injury to the writing. The sheets on which the dissertation is written must be securely stitched together.

The dissertations must not exceed in length the amount of twenty-five printed pages of the North American Review.

The authors of successful dissertations are invited to read them in public at a place and time to be designated by the Dean.

The following persons received prizes in 1879 : —

EUGENE WAMBAUGH, *of the Class of* 1876, *a Prize of* $75.
ARTHUR ANDERSON BROOKS, *of the Class of* 1879, *a Prize of* $50.
WILLIAM WARREN CASE, *of the Class of* 1879, *a Prize of* $75.
FRANK BARTLETT PATTEN, *of the Class of* 1879, *a Prize of* $75.
ARTHUR HALE, *of the Class of* 1880, *a Prize of* $50.
WALTER ALLEN SMITH, *of the Class of* 1880, *a Prize of* $100.

JUDGES.

Professors LANE, GOODWIN, GURNEY, THAYER, and Messrs. J. H. ALLEN and E. H. HALL.

III. BOYLSTON PRIZES FOR ELOCUTION.

On the second Thursday of May of each year, there is a public exhibition and trial of the skill and proficiency of the students of the College in elocution, at which the Boylston Prizes are awarded.

The speakers are not to rehearse their own compositions, but to select pieces in prose or verse from English, Greek, or Latin authors. The selections must be approved by the Boylston Professor of Rhetoric and Oratory. The proportion in English is to be at least two out of three.

The competitors must be graduates of the year, or undergradates of the next class; and their names must be entered with the Professor *before the last Thursday of April.* No applications will be received after that time.

The Corporation, and five gentlemen selected by the Corporation, will act as judges and award the prizes as follows : —

Two First Prizes, of *sixty dollars* each; and three Second Prizes, of *forty-five dollars* each. The First Prizes may be withheld, if none of the competitors appear to deserve them.

At this exhibition, no prompting of the speakers will be allowed; and a failure of memory in any one will exclude him from being considered in the assignment of the Prizes.

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The following Prizes were assigned June 20, 1879: —

FIRST PRIZES.

JOSIAH QUINCY, *of the Class of* 1880.

SECOND PRIZES.

ROBERT ROBERTS BISHOP, *of the Class of* 1880.
WILLIAM ANDREWS PEW, *of the Class of* 1880.
WESLEY FRANK PRICE, *of the Class of* 1880.

JUDGES.

Messrs. J. H. THAYER, J. Q. ADAMS, E. W. HOOPER, HENRY LEE, E. S. DIXWELL, E. P. SEAVER, and Professors O. W. HOLMES and C. F. DUNBAR.

IV. LEE PRIZES FOR READING.

Early in the year 1879–80, Prizes will be awarded for excellence in reading aloud English prose as follows: —

I. To Freshmen, Prizes to the amount of $150; no one to be more than $50, or less than $20. Every competitor will be required to read from one of the prose works announced in the requisitions for admission in English composition (p. 62).

No Freshman will be allowed to read for these Prizes, who does not present, from the master of the school at which he was fitted for College, a certificate to the effect that his excellence in reading qualifies him to compete; or who, in the absence of such certificate, fails to satisfy one of the instructors in Elocution that he is so qualified.

II. To Sophomores, Prizes to the amount of $150; no one to be more than $50, or less than $20. For these Prizes no one will be allowed to compete who has not received instruction in his Freshman year from one of the instructors in Elocution.

All Prizes may be withheld, if no competitor appears worthy of a Prize.

In 1879, prizes were awarded as follows: —

SOPHOMORES.

CHARLES TOWNSEND COPELAND, *two of thirty dollars each.*
CLINTON HILL LORD, *two of thirty dollars each.*
FREDERICK ATHERTON FERNALD, *two of twenty-five dollars each.*
GEORGE CHRISTIE VAN BENTHUYSEN, *two of twenty-five dollars each.*
CHARLES HARVEY HOLMAN, *two of twenty dollars each.*
SAMUEL WILLISTON, *two of twenty dollars each.*

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JUDGES.

Messrs. HENRY LEE, LEVERETT SALTONSTALL, C. R. CODMAN, C. P. CRANCH, G. B. CHASE, D. A. GODDARD, and Professors J. C. GRAY, C. F. DUNBAR and A. S. HILL.

FRESHMEN.*

AUGUSTUS MENDON LORD, *Roxbury Latin School, twenty-five dollars.*
CHARLES SUMNER HAMLIN, *Roxbury Latin School, twenty-five dollars.*
JOSEPH RANDOLPH COOLIDGE, *Chauncy Hall School, twenty-five dollars.*
HOWARD LILIENTHAL, *Fairview Institute, twenty-five dollars.*
WILLIAM HUSSEY PAGE, *Boston Latin School, twenty-five dollars.*

JUDGES.

President ELIOT, Messrs. HENRY LEE, C. R. CODMAN, LEVERETT SALTONSTALL, D. A. GODDARD, C. P. CRANCH, and Professors J. C. GRAY and A. S. HILL.

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* These names are arranged in the order in which the prizes were awarded.

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HOLDERS OF SCHOLARSHIPS.

In 1879 Scholarships* were assigned to the following Students: —

Class of 1879.

	Name of Scholarship.
Francis Joseph Swayze,	Farrar.
William Schofield,	Thayer.
William Warren Case,	Matthews.
Wallace Macfarlane,	Matthews.
William De Witt Hyde,	Thayer.
George Henry Burrill,	Thayer.
Francis Lindsay Crawford,	Matthews.
George Faunce,	Matthews.
William Bancroft Hill,	Bowditch.
John Alden Thayer,	Bowditch.
Abram Duane Hopkins,	Bowditch.
Benjamin Rand,	Bowditch.
Frank Leslie Porter,	Sewall.
Albert Poor,	Kirkland.
Willard Everett Smith,	Townsend.
Ralph Waterbury Ellis,	Townsend.
Edward Herbert Atherton,	Townsend.
George Ashton Black,	Bowditch.
Samuel Delano,	Story.
Arthur Anderson Brooks,	W. S. Eliot.
Harlan Page Amen,	Browne.
Henry Edgar Madden,	Saltonstall.
George Lyman Dolloff,	Saltonstall.
Edward Lovell Houghton,	Shattuck.
Robert Parker Clapp,	D. B. Green.
Charles Culp Burlingham,	Hollis.
Charles Elliot St. John,	Walcott.
James Eames Thomas,	Pennoyer.
John Whitney Dalzell,	Bassett.
Frank Augustine Houston,	Pennoyer.
Henry Augustus Shute,	Alford.

* A list of the Scholarships, together with the conditions on which they are awarded, will be found on pp. 97–103.

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Class of 1880.

Albert Bushnell Hart,	Thayer.
Edward Southworth Hawes,	Thayer.
Albert Barnes Weimer,	Thayer.
Louis May Greeley,	Tappan.
Thaddeus Davis Kenneson,	Bowditch.
John Westley Houston,	Bowditch.
Frederic Allison Tupper,	Bowditch.
Henry Cutler Baldwin,	Bowditch.
Harold North Fowler,	Bowditch.
Herbert Mills Perry,	Bowditch.
Charles Austin Hobbs,	Sewall.
William George Taylor,	Morey.
Henry Champion Jones,	Townsend.
John Aloysius O'Keefe,	Townsend.
Charles Henry Morss,	Saltonstall.
Wesley Frank Price,	Shattuck.
Charles Edward Atwood,	Shattuck.
James Brainerd Field,	Shattuck.
Walter Horton Rhett,	Bassett.

Class of 1881.

Arthur Orcutt Jameson,	Thayer.
Frederic Joaquim Barbosa Cordeiro,	Thayer.
William Coolidge Lane,	Thayer.
Edwin Cull Howell,	Matthews.
Joseph Elwyn Maxfield,	Bowditch.
Alfred Jaretzkie,	Bowditch.
Farley Brewer Goddard,	Bowditch.
James Robbins Howe,	Bowditch.
John Edward Maude,	Bowditch.
Edward Lothrop Rand,	Matthews.
Chester Allyn Reed,	Bowditch.
Eugene Yancey Cohen,	Townsend.
Joel Herbert Seaverns,	Townsend.
Henry Olmstead Jones,	Class of 1802.
Otto Mueller,	Class of 1817.
John Norton Johnson,	Sever.
Frederic William Stuart,	Shattuck.
Garry De Nerville Hough,	Shattuck.
Frank Clinton Fernald,	Saltonstall.

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Howard Agnew,	Shattuck.
Frederic Silas Gregory Reed,	Hollis.
John Gerrish Wood,	Pennoyer.
Charles Howard Atkins,	Walcott.
Paul Barron Watson,	Bassett.
Frank Woods Baker,	Matthews.

Class of 1882.

Frank Nelson Cole,	Thayer.
George Lyman Kittredge,	Thayer.
Joseph Henry Beale,	Thayer.
Clinton Hill Lord,	Bowditch.
Charles Westley Birtwell,	Bowditch.
Asaph Hall,	Bowditch.
Frank Arthur Dakin,	Bowditch.
Frank Gaylord Cook,	Bowditch.
John Whiting Mason,	Bowditch.
Ivan Panin,	Morey.
Charles Andrews Mitchell,	Gorham Thomas.
Lucien Moore Robinson,	Levina Hoar.
Frederick Atherton Fernald,	Class of 1841.
George Morey Richardson,	Class of 1835.
William Cushing Wait,	Shattuck.
Mars Edward Wagar,	Shattuck.
Hazen Kimball Richardson,	Shattuck.
William Jones,	Shattuck.
John Plumer Lyons,	Shattuck.
George Warren Towne,	Walcott.
Charles Green Rockwood Jennings,	Pennoyer.
Andrew Preston Averill,	Alford.

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PECUNIARY AID.

The experience of the past warrants the statement that good scholars of high character but slender means are seldom or never obliged to leave College for want of money.

SCHOLARSHIPS.

One hundred and twelve Scholarships have been established in the College, varying in their annual income from forty dollars to three hundred and fifty. They are awarded by the Corporation, unless it is otherwise stated.

PENNOYER SCHOLARSHIPS. Four; two with an income of one hundred dollars, and two with an income of ninety dollars each. In 1670 William Pennoyer of England gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars; one of the latter, as often as occasion shall present, to be of the posterity of Robert Pennoyer, and the other from New Haven Colony, if conveniently may be.

BROWNE SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by William Browne of Salem and his descendants. In 1687 William Browne, first, bequeathed to the College one hundred pounds, to be improved for the bringing up of poor scholars. In 1708 Benjamin Browne bequeathed two hundred pounds for the same purpose, giving the preference to Salem scholars. In 1716 Major William Browne, second, brother to Benjamin, bequeathed one hundred pounds, the income to be used to help support his descendants while students at the College; if none there, then to help maintain poor scholars from Salem. In 1720 Colonel Samuel Browne gave one hundred and fifty pounds for the same purpose; and added to this gift by his will, in 1781, his estate in Hopkinton, the income therefrom to be used for bringing up poor scholars, those recommended by his posterity to be preferred.

SEWALL SCHOLARSHIPS. Two, with an income of two hundred and fifty dollars each. In 1696 Judge Samuel Sewall of Boston and his wife Hannah conveyed to the College a farm of five hundred acres at Petaquamscot in the Narragansett country, otherwise called King's Province; the income therefrom to be appropriated to the support and education of youths of insufficient means, those from Petaquamscot aforesaid, if any, to be preferred.

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HOLLIS SCHOLARSHIPS. Two, with an income of one hundred and twenty-five dollars each. Founded by Thomas Hollis of London in 1722, and his brother, Nathaniel Hollis, in 1732, for the benefit of pious young students designed for the ministry, and who may be needy and deserving.

SALTONSTALL SCHOLARSHIPS. Two, with an income of one hundred and fifty dollars each, in the gift of the board of Overseers. In 1780 Madam Mary Saltonstall, widow of Gov. Gurdon Saltonstall of Connecticut, bequeathed to the College one thousand pounds, the income of which is to be given to two persons without means, of bright parts and good diligence (always dissenters), to fit them for the service of the Church of Christ; those related to the giver by consanguinity to be preferred. In 1845 Leverett Saltonstall of Salem added to this fund a bequest of five hundred dollars.

ALFORD SCHOLARSHIP, with an income of forty dollars. In 1785 Mrs. Joanna Alford of Charlestown made a bequest of one hundred and thirty-three pounds, six shillings, and eight pence, the income from which is to be appropriated to the education of students in indigent circumstances.

SENIOR EXHIBITION, with an income of ninety dollars. In 1821 a fund of twelve hundred dollars was established, the income of which is to be granted annually to the most distinguished scholar among the indigent members of the Senior Class.

SHATTUCK SCHOLARSHIPS. Twelve, with an income of one hundred and fifty dollars each, from a bequest made by Dr. George Cheyne Shattuck of Boston, in 1847, for the benefit of needy persons of superior merit pursuing at the College the study of any language or languages, or of mathematics or any branch thereof.

ABBOT SCHOLARSHIP, with an income of one hundred and fifty dollars. A fund of two thousand dollars, contributed by persons educated at Phillips Exeter Academy, was established in 1852 in memory of Dr. Benjamin Abbot. The income of this fund is payable to such needy undergraduate as may be selected by the Faculty for scholarship and good character; descendants and other relations of Dr. Abbot and the best scholars from said Academy are to be preferred in the order named.

KIRKLAND SCHOLARSHIP, with an income at present of two hundred and fifty dollars; founded in 1852 by the Class of 1815 in memory of President Kirkland. The income of the fund is to be applied at the discretion of the Corporation; descendants of members of said Class to have the preference as beneficiaries.

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SCHOLARSHIP OF THE CLASS OF 1814, with an income of two hundred dollars. In 1853 this Class raised by subscription a fund of two thousand three hundred dollars, the income of which is to be paid to some meritorious undergraduate holding a respectable rank as a scholar, preference to be given to descendants of members of said Class.

WALCOTT SCHOLARSHIPS. Two, with an income of one hundred dollars each. Founded by Samuel Baker Walcott in 1855. The income of the fund, when not less than two hundred dollars, is to be divided equally between two needy and meritorious undergraduates, who are to be nominated by the Faculty and appointed by the President and Fellows.

THAYER SCHOLARSHIPS. Twelve, with an income of three hundred dollars each. In 1857 John Eliot Thayer of Boston bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to a certain number of the most meritorious scholars in Harvard University who may actually need the same.

BOWDITCH SCHOLARSHIPS. Twenty-three, with an income of two hundred and fifty dollars each, founded in 1860 by Nathaniel Ingersoll Bowditch of Boston, and to be distributed by the President equally among the several Classes to poor and deserving students according to their rank or self-improvement.

BENJAMIN D. GREENE SCHOLARSHIP, with an income of one hundred and twenty dollars. Founded in 1860 by Benjamin D. Greene of Boston who bequeathed one thousand dollars to the College "to establish a scholarship for a poor scholar, the appointment thereto to be vested in the President for the time being."

TOWNSEND SCHOLARSHIPS. Six, with an income of two hundred and fifty dollars each, founded in 1861 by Miss Mary P. Townsend of Boston, by a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

STORY SCHOLARSHIP, with an income of one hundred and fifty dollars. A gift of two thousand dollars was received in 1864 from Augustus Story of Salem, who directed that the income should be awarded by the President, without special reference to class rank, to such deserving applicant as might by his mental power, general character, and physical health, give the largest promise of usefulness.

SCHOLARSHIP OF THE CLASS OF 1817, with an income of two hundred dollars. This Class founded a scholarship in 1864, to be awarded to some meritorious undergraduate of respectable standing as a scholar, but without special reference to academic rank; and descendants of members of the Class are to have the preference as applicants.

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SCHOLARSHIP OF THE CLASS OF 1835, with an income of one hundred and fifty dollars; founded in 1865 by the Class of 1835 for the benefit of meritorious young men, whether descendants of members of the class or otherwise.

GORHAM THOMAS SCHOLARSHIP, with an income of two hundred and fifty dollars. In 1865 Dr. Alexander Thomas of Dorchester gave three thousand dollars, to found a Scholarship in memory of his son, a graduate of the College.

BIGELOW SCHOLARSHIPS. Three, with an income of two hundred and fifty dollars each. The sum of ten thousand dollars was received in 1865 as the bequest of Tyler Bigelow of Watertown, the income thereof to be given to indigent undergraduates selected by the Corporation with reference to habits of industry and earnest effort, and without regard exclusively to rank.

MOREY FOUNDATION. From a bequest of George Morey of Boston in 1866, yielding about five hundred dollars, which may be divided into two Scholarships, to be awarded to undergraduates of satisfactory conduct and proficiency; the descendants of Rev. George Morey to have the preference.

TOPPAN SCHOLARSHIP, with an income of three hundred dollars. In 1868 Mrs. Ann Toppan of Portsmouth, N. H. bequeathed five thousand dollars to found a Scholarship in memory of her husband, Christopher S. Toppan.

SEVER SCHOLARSHIP, with an income of one hundred and seventy-five dollars. Founded by Colonel James Warren Sever of Boston in 1868. The income from this fund is to be awarded to some meritorious undergraduate without exclusive reference to academic rank; applicants from Kingston and Plymouth are to have the preference.

SCHOLARSHIP OF THE CLASS OF 1802, with an income at present of two hundred and fifty dollars. The class fund of six thousand dollars was received by the College in 1870. The income of the fund is to be used to aid needy and meritorious descendants of members of the Class, and other indigent and deserving students.

MATTHEWS SCHOLARSHIPS. Fifteen, with an income of three hundred dollars each. Founded by Nathan Matthews of Boston in 1870. The income of the fund is for the aid of needy and deserving scholars; those intending to study for the ministry of the Protestant Episcopal Church to be preferred.

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FARRAR SCHOLARSHIP, with an income of about three hundred and fifty dollars. Founded by Mrs. Eliza Farrar of Springfield in memory of her husband, Professor John Farrar. The income of her bequest of five thousand dollars, made in 1870, is for the aid of one meritorious undergraduate.

SCHOLARSHIP OF THE CLASS OF 1841, with an income at present of one hundred and seventy-five dollars. The class fund of two thousand dollars was received in 1871, and the income is to be paid to some one deserving undergraduate; descendants of members of the class to have the preference as candidates.

JAMES SAVAGE SCHOLARSHIP, with an income of three hundred dollars. Founded by James Savage of Boston in 1878.

WILLIAM WHITING SCHOLARSHIPS. Two, founded by William Whiting of Boston in 1874, not yet available.

WILLIAM SAMUEL ELIOT SCHOLARSHIP, with an income of three hundred dollars. Founded in 1875 by Samuel Eliot of Boston in memory of his son. The income of the gift of five thousand dollars is payable by preference to a student taking a Greek elective, if any such be needy; otherwise, to any student or students at the discretion of the Dean.

DANA SCHOLARSHIP OF THE CLASS OF 1852. Founded by Mrs. Ann F. Schaeffer "in memory of her late son Charles F. Dana," not yet available.

LEVINA HOAR SCHOLARSHIP, with an income of two hundred dollars. From a bequest of Miss Levina Hoar of Lincoln, in 1876, for the benefit of needy and meritorious students; preference always to be given to those from the town of Lincoln, in Massachusetts.

BASSETT SCHOLARSHIPS. Three, with an income of about one hundred dollars each. Francis Bassett of Dennis bequeathed in 1876 five thousand dollars, the income of which is payable equally to three undergraduates, one of the Sophomore, one of the Junior, and one of the Senior Class, to be selected by the Faculty, and to stand above the medium rank in their respective Classes.

SLADE SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1877 by Dr. Daniel Denison Slade of Chestnut Hill, who gave for the purpose five thousand dollars, the income of which is pay-

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able to some meritorious young man who has been at least one year in the College; the benefactor's sons, if at any time candidates, to have the preference.

CROWNINSHIELD SCHOLARSHIPS. Two, founded by Francis B. Crowninshield of Boston in 1877, not yet available.

HODGES SCHOLARSHIP. Founded by Rev. Richard Manning Hodges of Cambridge in 1878, not yet available.

None but those who need assistance are expected to apply for Scholarships; and, among applicants, the highest scholars on the work of the preceding year have the preference, except where the assignment is affected by special provisions, as stated above.

No student who has incurred a serious college censure in the course of the year will be considered a candidate for a Scholarship; nor any student who obtains leave of absence for the year in which the Scholarship would be payable.

Applications from persons who wish to be considered candidates will be received *on or before the first day of June* of each year. The nominations and appointments are made at the beginning of each academic year; except that the Bigelow Scholarships are awarded by the Corporation to Freshmen soon after their entrance. The successful candidates for other Scholarships receive one-third of the annual income immediately upon the assignment of the Scholarships, one-third in January, and the remaining one-third on the first of April following. The Scholarships for the Senior Class are assigned before Commencement, as soon as the annual scale for that class can be prepared, and the entire annual income of the Scholarships so assigned is paid immediately.

Aid from the Beneficiary Funds must be applied for in a separate petition.

The Scholarships, when voted, are understood to cover the college year just ended; and the enjoyment of a Scholarship for one year will not constitute any title to a second nomination, unless the superiority for which it was originally awarded be fully maintained.

BENEFICIARY FUNDS.

Various other bequests and donations to the College have from time to time been made, the income of which is appropriated for the aid of deserving students in narrow circumstances. The annual amount thus appropriated is about eleven hundred dollars, which has usually been distributed in gratuities ranging from twenty-five to seventy-five dollars.

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Applications for aid from the Beneficiary Fund are addressed to the Dean, and must be presented to him on or before *the first day of June*, by the student's parent or guardian, or by the student himself, if of age. The application should state particularly the circumstances of the case, with the reasons for asking aid.

LOAN FUND.

In addition to the Beneficiary Funds above-mentioned, there is a Loan Fund, the interest of which, amounting annually to about twenty-seven hundred dollars, is lent to meritorious students desirous of receiving it, in sums ranging from thirty to seventy-five dollars. This fund is under the control of a Board of Trustees, in Boston. More than eight thousand dollars have been already added to the principal, by reimbursements.

The applications for the Loan Fund should be left with the Dean as early as *the first day of December*.

The Trustees of the Fund request applicants for loans to observe the following rules: —

"1. To address their applications to the Treasurer of the Loan Fund, Hon. John Lowell, Boston, and give them to the Dean.

"2. To set forth their circumstances fully, as they would do on making application to an individual for like aid.

"3. To state what aid they have received, or expect to receive from the College.

"4. If an applicant is under twenty-one years of age, his application must be accompanied by the written approval of his parent or guardian."

MONITORSHIPS, &c.

Besides the foregoing provisions for the aid of meritorious students, the various monitorships, &c., amount to about seven hundred dollars a year; which may be considered an addition, to that extent, to the beneficiary means of the College.

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EXPENSES.

The following table exhibits four scales of annual expenditure, the expenses of the long vacation not being included:—

	Least.	Economical.	Moderate.	Very liberal.
Tuition	$150	$150	$150	$150
Books and Stationery	28	35	45	61
Clothing	70	120	150	300
Room	22	30	100	175
Furniture (annual average)	10	15	25	50
Board	183	152	152	304
Fuel and light	11	15	30	45
Washing	15	20	40	50
Societies and subscription to sports (annual average)			35	50
Servant				25
Sundries	45	55	85	150
	$484	$592	$807	$1360

Members of any department of the University can board at cost by joining the Association which uses the great dining-hall of Memorial Hall. The cost of board to the members of this association is expected not to exceed $4.00 a week.

COLLEGE BILLS.

☞ The bills containing college charges are made out by the Bursar, and are to be called for at his office. Each bill will contain one-third of the annual charges. The first bill will be ready for delivery December 22, and is to be paid on or before January 12. The second bill will be ready for delivery March 15, and is to be paid on or before April 5. The third bill will be ready for delivery one week before Commencement, and is to be paid on or before October 9; but the third bill of the *Senior year* must be paid at least one day before Commencement. Students who leave college before graduating must pay in full all college bills at the time of leaving.

The Bursar is authorized to make the following deduction from the full year's tuition-fee in Harvard College, in cases of absence during part of the year, without regard to the cause of absence:—

For absence not less than three consecutive months at any time of the year, $80 to be deducted.

For absence during the whole year, not including the final examinations, $100 to be deducted.

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ASSIGNMENT OF COLLEGE ROOMS FOR 1880–81.

Students living in College buildings, who wish to re-engage their present rooms for the Academic Year 1880–81, must sign a new room-agreement at the Bursar's office before April 1.

Seniors, and graduates whose connection with the University has not been severed, can re-engage their present rooms or apply for other rooms, for their own occupation only, provided they have decided to pursue their studies in Cambridge during the next year.

A list of College rooms, for which members of the College and of the Scientific School (and graduates as above-mentioned) can apply, with blank forms of application, will be given to all who ask for it at the Bursar's office after April 7. No applications will be considered unless made upon these blanks. On April 20, the assignment of rooms will be made by lot, and all applications for rooms must be filed at the Bursar's office *before* that day. The result of the allotment will be published April 21.

Students are advised not to apply for rooms until they have fully decided that they wish to occupy them, as every student who draws a room is required to pay the full year's rent, whether he uses the room or not; except that when the tenant permanently severs his connection with the University, or obtains leave of absence, or is suspended for the whole of the year, he can, by notifying the Bursar, *before September* 1, cancel his room-agreement. When one of two room-mates cancels his room-agreement as above, the agreement of the other will be cancelled also. The other room-mate will be allowed, by at once signing a new room-agreement, to keep the room originally assigned to the two; but, if he does not at once re-engage it, the Bursar will be at liberty to assign it to other tenants.

All rooms unengaged May 26, will be assigned by lot May 28. After May 28, any vacant room will be assigned to the first applicant. Students going away for the vacation who desire to obtain College rooms are advised to file applications at the Bursar's office before leaving Cambridge.

Transfers and exchanges of rooms will be allowed within reasonable limits until October 9, 1880, on the condition that any student transferring or exchanging a room shall sign a statement that he engaged the room for his own occupation, and that he will receive no profit from the exchange or transfer. The book containing these statements will always be open for public inspection. The full year's rent, and all charges for gas and damages will be collected from those to whom the rooms stand charged on the Bursar's books October 9, 1880.

Persons not connected with the University are not allowed to occupy rooms in the College buildings.

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All persons who occupy College rooms are subject to the regulations of the Parietal Committee.

Students who occupy rooms in the College buildings will be required, if they employ any one to make fires, black boots, &c., to employ the janitor of the building in which they live.

A descriptive list of rooms available for persons intending to enter College in the summer of 1880, and for graduates intending to pursue their studies at Cambridge, whose connection with the University has been severed, with price lists and blank forms of application, will be ready for delivery from the Bursar's office after April 26.

Upon request, the list and blanks will be mailed to any address. The blank application will contain a certificate to be signed, in the case of candidates for admission in 1880, by the instructor of the applicant, stating that the applicant intends to enter Harvard College in the summer of 1880, and specifying the examination (July or September) at which he will apply for admission. The application will also contain an agreement binding the applicant to take any room on his list which may be assigned to him in the allotment. No application will be considered in which all the blanks are not duly filled out. On May 11, the allotment will be made, and all applications must be filed at the Bursar's office before that date. Successful applicants will be notified as soon as possible of the result of the allotment, and a blank form of agreement and bond will be forwarded at the same time. In case of persons intending to enter College in July, the agreement binds the applicant to retain his room for one year, and pay the full rent in case he enters College; and, in case of failure to enter College, to forfeit one quarter's rent, if the Bursar is unable to assign the room to some member of the University, in accordance with the established rules. Applicants intending to enter College at the September examinations will be held responsible for the full year's rent of the room assigned, and will be required to give bonds therefor. The agreement and bond must be duly executed and filed at the Bursar's office before May 26, or the applicant's rights under the allotment will be lost. No transfer of rooms will be allowed by any person until he has entered College.

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PRICES OF COLLEGE ROOMS.

1880-81.

In each case the price is for the whole room from the beginning of the Academic Year until the next Commencement, and includes the daily care of the room. Rooms in Divinity Hall are rented to Divinity students for $5 less than the prices named below.

$25. College House, Nos. 18, 85.

$40. Divinity Hall, Nos. 6, 8, 10.

$44. Hollis and Stoughton, Nos. 1, 2, 3, 4, 18, 19, 20.

$45. College House, Nos. 57, 58; Divinity Hall, Nos. 4, 12.

$50. College House, Nos. 22, 44, 66; Divinity Hall, Nos. 2, 3, 11, 14.

$55. Divinity Hall, Nos. 1, 13.

$56. Hollis and Stoughton, Nos. 13, 14, 16.

$60. Hollis and Stoughton, Nos. 5, 6, 8, 9, 10, 12, 17, 22, 23, 24, 26, 27, 28; College House, Nos. 3, 4, 7, 8, 9, 10, 15, 16, 18, 19, 20, 25, 26, 27, 28, 30, 31, 32, 37, 38, 39, 40, 41, 42, 46, 48, 50, 52, 54, 60, 62, 64, 70; Divinity Hall, Nos. 20, 22, 24, 34, 38; Grays, Nos. 33, 35.

$65. Divinity Hall, Nos. 18, 19, 21, 23, 26, 28, 32, 33, 37, 40, 42; Hollis and Stoughton, Nos. 29, 32.

$70. College House, Nos. 11, 12, 33, 34, 47, 49, 51, 53, 59, 61, 63, 67, 68, 69; Divinity Hall, Nos. 17, 25, 31, 39.

$75. Hollis and Stoughton, Nos. 11, 15, 25, 30, 31; College House, Nos. 1, 2, 21, 23, 43, 45, 55, 65; Divinity Hall, Nos. 16, 27, 30, 41; Grays, Nos. 3, 13, 15, 17, 19, 34, 37, 49, 51; Weld, Nos. 25, 26, 52, 53.

$80. Divinity Hall, Nos. 15, 29; Holyoke, No. 39.

$100. Grays, Nos. 1, 7, 11, 14, 18, 21, 23, 25, 27, 29, 31, 36, 39, 41, 45; Weld, Nos. 24, 27, 51, 54; Matthews, Nos. 27, 28, 57, 58; Wadsworth House, Nos. 9 and 10, 11 and 12; College House, No. 29; Holyoke, Nos. 28, 45.

$125. Grays, Nos. 2, 9, 16, 22, 26, 30, 40, 47, 50, 52; Matthews, Nos. 25, 26, 29, 30, 55, 56, 59, 60; Holyoke, Nos. 1, 2, 6, 17; Thayer, Nos. 17, 18, 19, 20, 23, 24, 41, 42, 47, 48, 65, 66.

$150. Grays, Nos. 4, 6, 8, 10, 12, 20, 28, 32, 38, 42, 44, 46, 48; Holyoke, Nos. 3, 11, 40, 44, 46; Matthews, No. 6; Thayer, Nos. 1, 2, 3, 4, 13, 14, 15, 16, 25, 26, 30, 35, 36, 43, 44, 45, 46, 49, 50, 53, 59, 60, 63, 64, 67, 68.

$175. Thayer, Nos. 5, 6, 8, 9, 10, 11, 12, 21, 22, 31, 32, 37, 38, 39, 40, 51, 52, 55, 56, 57, 58, 61, 62; Weld, Nos. 3, 5, 8, 13, 14, 19, 20, 30, 32, 34, 35, 40, 41, 46, 47; Holyoke, Nos. 12, 29, 34.

$200. Thayer, Nos. 27, 28, 33, 34; Matthews, Nos. 3, 4, 10, 16, 22, 33, 34, 46, 52; Holyoke, Nos. 18, 22, 23, 37, 41, 42, 43, 47; Wadsworth House, Nos. 1 and 2, 3 and 4, 5 and 6, 7 and 8, 13.

$225. Weld, Nos. 4, 6, 9, 12, 15, 18, 21, 22, 23, 31, 33, 39, 42, 45, 48, 49, 50; Matthews, Nos. 5, 9, 15, 19, 20, 21, 39, 45, 49, 50, 51; Holyoke, Nos. 26, 30, 31, 32, 35, 36.

$250. Holworthy, Nos. 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24; Weld, Nos. 1, 2, 10, 11, 16, 17, 28, 29, 37, 38, 43, 44; Matthews, Nos. 1, 2, 8, 13, 14, 23, 24, 31, 32, 35, 36, 37, 38, 43, 44; Holyoke, Nos. 4, 9, 10, 13, 14, 15, 20, 21, 24, 25, 38.

$275. Matthews, Nos. 53, 54; Holyoke, Nos. 8, 19.

$300. Matthews, Nos. 11, 12, 17, 18, 41, 42, 47, 48; Holyoke, Nos. 5, 16, 27.

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THE DIVINITY SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
CHARLES C. EVERETT, D.D., *Dean, and Bussey Professor of Theology.*
——— ——— ———, *Parkman Professor of Theology.*
EZRA ABBOT, D.D., LL.D., *Bussey Professor of New Testament Criticism and Interpretation.*
EDWARD J. YOUNG, A.M., *Hancock Professor of Hebrew, and Dexter Lecturer on Biblical Literature.*

OTHER INSTRUCTORS.

JOSEPH H. ALLEN, A.M., *Lecturer on Ecclesiastical History.*
HOWARD M. TICKNOR, A.M., *Instructor in Elocution.*
GEORGE H. HOWISON, A.M., *Lecturer on Ethics.*

STUDENTS.

Senior Class.

Bowser, Alexander Thomas, A.B.,	*Sackville, N.B.,*	Little's Block 19.
Elder, Charles Brown, A.B. (*Brown Univ.*),	*New York, N.Y.,*	D. 29.
Kennedy, William Sloane, A.B. (*Yale Coll.*),	*Oxford, O.,*	D. 37.
Norman, Henry,	*Leicester, Eng.,*	D. 16.
Weeks, Alphonso Marston, A.B. (*Boston Univ.*),	*East Wolfeboro', N.H.,*	D. 15.
Westall, Henry Addison,	*Ashville, N.C.,*	67 Oxford St.

Middle Class.

Dutton, John Frederick, A.M. (*Univ. of Mich.*),	*Cambridge,*	D. 31.
Eliot, Christopher Rhodes, A.B. (*Washington Univ.*),	*St. Louis, Mo.,*	D. 25.
Judy, Arthur Markley, A.B. (*Antioch Coll.*),	*London, O.,*	D. 30.

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Macdonald, Loren Benjamin,	*Cambridge,*	19 Mellen St.
McGrew, Gifford Horace Greeley, A.B.,	*Cambridge,*	27 Mellen St.
Platner, Barnabas Ballou, A.B. (*Tufts Coll.*),	*Cherry Valley, N.Y.,*	D. 17.
Staples, Charles Jason, A.B. (*Brown Univ.*),	*Providence, R.I.,*	D. 39.

Junior Class.

Bulkley, Benjamin Reynolds, A.B. (*Rochester Univ.*),	*Valatie, N.Y.,*	14 Kirkland Pl.
Collier, Hiram Price,	*Bradford, Eng.,*	D. 27.
Porter, Frank Leslie, A.B.,	*Lawrence,*	D. 42.
Rodger, James George, A.B. (*Yale Coll.*),	*Hammond, N.Y.,*	D. 18.
Smith, Augustus Daniel,	*Aurora, Ill.,*	14 Kirkland Pl.
Wilton, Richard Thomas, A.B.,	*Plymouth, Eng.,*	S. 23.

Special Students.

Hall, George Goodwin,	*Brookline,*	D. 22.
Hastings, John King,	*Boston,*	80 Mt. Auburn St.
Nichols, William Ichabod, A.B.,	*Cambridge,*	33 Kirkland St.
Wentworth, Paul,	*Concord,*	D. 39.

The Constitution of this School prescribes that "every encouragement be given to the serious, impartial, and unbiassed investigation of Christian truth, and that no assent to the peculiarities of any denomination of Christians shall be required, either of the instructors or students."

ADMISSION.

Candidates for admission, if unknown to the Faculty, must produce testimonials of their good moral character.

All graduates of colleges will be admitted without examination. Other candidates for admission to the full course must have received a good English education, and must also pass an examination in some of the Latin classical authors, and in the Greek text of the Gospels. While a preliminary college training is not insisted upon, it is urged as a most important preparation for a course of theological study.

Persons who are not candidates for a degree may be admitted to the School as *special students* at any time, without examination, and avail themselves of its advantages in whatever manner and to whatever extent they see fit.

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All persons who, while members of the School, shall pass a satisfactory examination in one or more subjects, will be entitled to a certificate, stating the length of time they have been members of the School, and specifying the subjects in which they have passed such examination.

Candidates may be admitted to advanced standing only on examination in the studies previously pursued by the class which they propose to enter.

COURSE OF INSTRUCTION.

The course of instruction comprises Lectures, Recitations, written Essays, and other exercises. The subjects studied are: —

The Hebrew Language, and the characteristics of the New Testament Greek;

Textual Criticism, and the Principles of Interpretation;

Origin, Character, and History of the Books of the Bible (including the History of the Canon);

Exegesis of important Parts of the Old Testament, embracing selections from the Pentateuch, the Book of Job, the Psalms, and the Prophets;

Exegesis of Important Parts of the New Testament, particularly the Gospels and some of the Epistles of Paul;

Biblical Archaeology and Geography;

Ethnic Religions;

Christian Evidences;

Ecclesiastical History and the History of Christian Doctrine;

Philosophy in its relation to Theology;

Systematic Theology;

Philosophical and Christian Ethics;

Church Polity and Administration;

The Composition and Delivery of Sermons;

Liturgies and the Offices of Public Worship, and the duties of the Pastoral Office;

Elocution.

Devotional services, conducted by students, are held daily in the Chapel of Divinity Hall; Conference Meetings are also regularly held. All the members of the School have exercises in the practice of Extemporaneous Speaking; and the members of the Middle and Senior Classes preach in turn in the Chapel, this last service being open to the public.

Students have access to the Divinity School Library, which consists of 18,500 volumes, and also to the College Library, which consists of 182,500 volumes, and is rich in theological literature.

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Students of this School are entitled to attend, without extra charge, any exercises in the College, or other departments of the University, for which they may show themselves fitted; except exercises in the special Laboratories, and in Elocution, which is also taught in the School.

DEGREES.

The full course occupies three years, on completing which, students who shall have passed satisfactorily all required examinations in the studies pursued in the School, and in the German language (which may be studied in the College), will receive from the University the degree of *Bachelor of Divinity*.

This degree will also be conferred on those students who, without taking the full course, shall have studied theology in this School for not less than one year, and shall have passed satisfactorily an examination equivalent to the regular examinations of the School. Former graduates of the School may receive the degree on examination, without further residence. Applicants for the degree must, four weeks before Commencement, which is the last Wednesday in June, present their names, with a theological thesis, to the Faculty, and must be prepared to be examined at such times as may be appointed by the several Professors.

The degree of *Master of Arts* will be conferred upon persons who, being both Bachelors of Arts * and graduates of the School, shall pursue at the University, for at least one year, an approved course of study in Divinity, and shall pass an examination upon that course.

Applications for this degree should be addressed to Professor J. M. Peirce, Secretary of the Academic Council.

SCHOLARSHIPS AND OTHER PECUNIARY AID.

There are nine Scholarships established in the School, varying in their annual income from one hundred and twenty-five to two hundred and sixty dollars. They are assigned by the Corporation, on the recommendation of the Faculty, to those students who are deserving, and who need assistance.

These Scholarships are: —

The Chapman Scholarship, founded by the Rev. George Chapman, with an income of one hundred and forty dollars.

Two Cary Scholarships, founded by Thomas Cary, Esq., with an income of one hundred and seventy-five dollars each.

Three Scholarships on the Jackson Foundation, founded by

* See Rule 1, p. 194, "Standing Rules of the Corporation and Overseers."

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Miss Sarah Jackson, with an income of two hundred and sixty dollars each.

The CLAPP SCHOLARSHIP, founded by Josiah Clapp, Esq., with an income of one hundred and twenty-five dollars.

The KENDALL SCHOLARSHIP, founded on the donation of Miss Nancy Kendall, with an income of one hundred and forty dollars.

The JONAS H. KENDALL SCHOLARSHIP, founded by Jonas H. Kendall, Esq., with an income of one hundred and forty dollars.

Other pecuniary aid is afforded from various sources.

The income of the Hopkins Fund is awarded by a Board of Trustees to six students, who most need aid, who must have received the degree of A.B. and have given evidence of diligent and successful study. The shares will probably amount to at least three hundred and fifty dollars each.

The income of the Williams Fund is awarded by the Society for promoting Theological Education to students, recommended by the Faculty, who comply with the requisitions of that Society. According to the terms of this bequest, the income is to be given to "such indigent students of theology, resident in Cambridge, as shall be preparing themselves for the ministry, and shall be deemed most meritorious and worthy of assistance;" and "no student shall be debarred of this charity by reason of not having had a degree at a college, or being educated at any other college, or entertaining any peculiar modes of faith, it being always understood that he must be a Protestant." The annual income of the Williams Fund will allow about one hundred and fifty dollars to each beneficiary; but the sum will vary with the number of candidates.

In some cases, beneficiary aid from more than one of the above sources may be given to the same student.

In special cases, some assistance from other sources may be obtained for students who give promise of usefulness; and all who are qualified to enter upon the regular course, and who faithfully pursue it, may be enabled to meet their necessary expenses.

Applications for scholarships and for pecuniary aid must be addressed, in writing, to the Dean, before December 1.

BONDS AND EXPENSES.

Students must give a bond in the sum of two hundred dollars, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of term-bills. In place of the bond, a student may deposit with the Bursar a sum sufficient for the payment of all dues to the University.

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The necessary expenses for the year are: —

For rent and care of room.	$35.00 to	$75.00
For tuition	50.00 to	50.00
For board, 38 weeks.	133.00 to	152.00
For fuel	20.00 to	25.00
	$238.00 to	$302.00

To which are to be added the expenses of washing and lights.

The price of rooms varies, according to their location and desirableness, from $35 to $75 per year. Each room is supplied with a bedstead, mattress, bureau, and table. Stoves and other furniture must be supplied by the occupant. It is probable that the price of board will not exceed $4 a week at Memorial Hall, or $3.50 per week at a boarding-house adjoining the School.

For rooms in Divinity Hall application should be made to the Bursar.

Divinity School bills are payable in each year on or before January 12, April 5, and October 9; but the third bill of the *Senior Year* must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

Further information will be furnished, if desired, on application to the Dean.

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THE LAW SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
CHRISTOPHER C. LANGDELL, LL.D., *Dean, and Dane Professor of Law.*
JAMES B. THAYER, A.B., LL.B., *Royall Professor of Law.*
JOHN C. GRAY, A.M., LL.B., *Story Professor of Law.*
JAMES B. AMES, A.M., LL.B., *Professor of Law.*

HENRY HOWLAND, PH.D., LL.B., *Instructor.*
JOHN HIMES ARNOLD, *Librarian.*

STUDENTS.

Third Year.

NAME.	RESIDENCE.	ROOM.
Barnes, Charles Maynard, A.B.,	*Decatur, Ill.,*	H. 21.
Boit, John,	*Newport, R.I.,*	20 Prescott St.
Butler, Sigourney, A.B.,	*Quincy,*	20 Dunster St.
Canfield, George Folger, A.B.,	*New York, N.Y.,*	23 Irving St.
Champlin, Edgar Robert,	*Cambridge,*	31 Bigelow St.
Collins, Nicholas Battelle,	*Hopedale, O.,*	95 Mt. Auburn St.
Davis, Simon, A.B.,	*Charlestown,*	56 Monument Ave., Charlestown.
Frothingham, Nathaniel Langdon, A.B.,	*Boston,*	9 Exeter St., Boston.
Goodwin, James Wells, A.B.,	*Haverhill,*	83 North Ave.
Gray, Morris, A.B.,	*Boston,*	1 Beacon Hill Pl., Boston.
Hapgood, William Frank,	*Worcester,*	20 Prescott St.
Kimball, Elbridge Gerry, A.B.,	*Salem,*	89 Brattle St.
Martin, Horace Hawes, A.B. (*Racine Coll.*),	*Warsaw, N.Y.,*	Wadsworth 1.
Matthews, Nathan, A.B.,	*Boston,*	H'ke 10.
Reed, George Hammon,	*Lexington,*	Waltham St., Lexington.
Sampson, Alden, A.M.,	*New York, N.Y.,*	Wadsworth House 1.
Sattler, Charles Augustus, A.B., (*Penn. Coll.*),	*Baltimore, Md.,*	727 Cambridge St.
Tiffany, Francis Buchanan, A.B.,	*West Newton,*	M. 21.
Vandegrift, Lewis Cass, PH.B. (*Del. Coll.*),	*McDonough, Del.,*	5 Linden St.
Wambaugh, Eugene, A.M.,	*Cambridge,*	T. 7.

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Second Year.

Adams, Francis Willis,	*Cambridge,*	727 Cambridge St.
Blaine, Emmons, A.B.,	*Augusta, Me.,*	Dolton's Block 10.
Blodgett, Warren Kendall, A.B.,	*Boston,*	397 Beacon St., Boston.
Boutelle, George Keely, A.B.,	*Waterville, Me.,*	M. 22.
Bradish, Frank Eliot,	*Cambridge,*	5 Lee St.
Brown, Willard, A.B.,	*Lowell,*	D. 21.
Bullard, Stephen, A.B.,	*Boston,*	52 Brattle St.
Chamberlayne, Charles Frederic, A.B.,	*Cambridge,*	H. 31.
Cornish, Leslie Colby, A.M. (*Colby Univ.*),	*Winslow, Me.,*	19 Hilliard St.
Curtis, Charles Minot, A.B. (*Delaware Coll.*),	*Newark, Del.,*	5 Linden St.
De Yo, Burt Erastus, A.B. (*Oberlin Coll.*),	*Oberlin, O.,*	14 Story St.
Elting, Irving, A.B.,	*Poughkeepsie, N.Y.,*	Felton Building 16.
Frayser, David Albert, A.B. (*Christian Bros. Coll.*),	*Memphis, Tenn.,*	18 Putnam Ave.
Gardiner, Robert Hallowell, A.B.,	*Brookline,*	1 Monmouth Ct., Longwood.
Gilchrist, Albert John, A.B. (*Oberlin Coll.*),	*Cleveland, O.,*	25 Cambridge St., Boston.
Greene, Frederick Lewis, A.B.,	*Greenfield,*	6 DeWolf St.
Hancock, Lewis, A.B.,	*Austin, Tex.,*	5 Linden St.
Hunt, Freeman, A.B.,	*Cambridge,*	104 Mt. Auburn St.
Kurino, Sinichiro,	*Japan,*	65 Oxford St.
Lawrence, Rosewell Bigelow, A.B.,	*Medford,*	Felton Building 28.
Loring, Augustus Peabody, A.B.,	*Beverly Farms,*	10 Appian Way.
Morrison, William Herbert, A.B. (*Brown Univ.*),	*Philadelphia, Pa.,*	100 Mt. Auburn St.
Nichols, Henry Gilman, A.B.,	*Saco, Me.,*	T. 29.
Reed, Edward Prescott, A.B.,	*Stow, Mass.,*	C. 52.
Stanton, Benjamin Irving, A.B. (*Union Coll.*),	*Albany, N.Y.,*	16 Tremont St., Chelsea.
Starr, Merritt, A.M. (*Oberlin Coll.*),	*Chicago, Ill.,*	63 Ellery St.
Stiles, Sumner Burritt, A.B.,	*Middleton,*	G. 43.
Strobel, Edward Henry, A.B.,	*Charleston, S.C.,*	H. 27.
Sullivan, William, A.B.	*Salem,*	C. 4.
Tyler, John Ford, A.B.,	*Cambridge,*	13 Shepard St.
Wheeler, Harold, A.M.,	*San Francisco, Cal.,*	M. 21.
Woodman, Edward, A.M.,	*Cambridge,*	C. 85.

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First Year.

Albert, Richard Seabrook, A.B.,	*Baltimore, Md.,*	39 Brattle St.
Austin, William Russell, A.B.,	*Charlestown,*	W. 22.
Ayers, George David, A.B.,	*Malden,*	M. 56.
Baylies, Edmund Lincoln, A.B.,	*New York, N.Y.,*	Beck Hall 24.
Bolles, Frank, LL.B. (*Columbian Law School*),	*Rumney, N.H.,*	C. 42.
Brown, Howard Kinmonth, A.B.,	*Framingham,*	Beck Hall 25.
Burr, Isaac Tucker, A.B.,	*Newton,*	78 Mt. Auburn St.
Byrne, James, A.B.,	*Cambridge,*	M. 21.
Carter, Benjamin Franklin, A.B. (*Emory Coll.*),	*Dalton, Ga.,*	10 Frisbie Pl.
Churchill, John Maitland Brewer, A.B.,	*Boston,*	12 Appian Way.
Clapp, Robert Parker, A.B.,	*Cambridgeport,*	28 William St.
Cushing, Arthur Percy, A.B.,	*Boston,*	S. 8.
Cushing, Livingston, A.B.,	*Boston,*	W. 21.
Cutler, Walter Marshall, A.B.,	*Boston,*	512 Tremont St., Boston.
Delger, Edward Frederick,	*Oakland, Cal.,*	14 Ware St.
Denison, John Henry, A.B. (*Univ. of Vermont*),	*Royalton, Vt.,*	410 Harvard St.
Ehrlich, Eugene Mortimer,	*San Francisco, Cal.,*	62 Brattle St.
Ellis, Frederick Hamant, A.B.,	*Framingham,*	Beck Hall 3.
Ellis, Ralph Waterbury, A.B.,	*Springfield,*	M. 27.
Emery, Samuel Hopkins, A.M. (*Amherst Coll.*),	*Concord,*	*Concord.*
Evans, Glendower, A.B.,	*Philadelphia, Pa.,*	890 Main St.
Felch, Daniel Henry, A.B. (*Bowdoin*),	*Ayer,*	S. 10.
Fiske, John Winthrop, A.B. (*Amherst Coll.*),	*Bath, Me.,*	D. 2.
Goss, Charles Lincoln, A.B. (*Univ. of Vermont*),	*Brandon, Vt.,*	410 Harvard St.
Harris, Charles Nathan,	*Chelsea,*	46 North Ave.
Head, Frazier Davenport, PH.B., (*Sheffield Sci. Sch.*),		21 Chestnut St., Boston.
Hodgkins, Arthur Parker,	*Chelsea,*	20 Prescott St.
Holmes, John Russell, A.B.,	*Cincinnati, O.,*	H. 11.
Houston, Frank Augustine, A.B.,	*Haverhill,*	Dolton's Block 13.
Hoynes, Edward Francis, A.M. (*Boston Coll.*),	*South Boston,*	116 G. St., S. Boston.

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Hudson, Woodward, A.B.,	*Concord,*	H'ke 18.
Hutchins, William Everett, A.B.,	*Cambridge,*	White St.
Jackson, George West, A.B.,	*Boston,*	W. 42.
Johnson, Edward Francis, A.B.,	*Woburn,*	C. 26.
Lawrence, William Badger, A.B.,	*Medford,*	Beck Hall 46.
Lawton, Alexander Rudolph, A.B., (*Univ. of Ga.*),	*Savannah, Ga.,*	2 Holmes Pl.
Lee, Thomas, A.B.,	*Boston,*	W. 22.
Lewis, Samuel Kleighton,	*Lake Providence, La.,*	18 Sharon St., Boston.
Macauley, Thomas, A.M.,	*Newark, N.J.,*	102 Mt. Auburn St.
Mason, Harry White, A.B.,	*Newton,*	M. 60.
McClure, Edward Woodbridge,	*Concord,*	Concord.
McDonald, Frank Virgil, A.B.,	*San Francisco, Cal.,*	Little's Block 32.
McDowell, Henry Burden, A.B.,	*New York, N.Y.,*	Felton Building 34.
McFadon, Robert Dean, A.B.,	*Quincy, Ill.,*	Felton Building 26.
Merrill, Elijah Hedding (*Grad. of U. S. Military Acad.*),	*Concord, N.H.,*	28 Dunster St.
Morison, John Holmes, A.B.,	*Baltimore, Md.,*	54 Brattle St.
Mulligan, Henry Coolidge, A.B.,	*Natick,*	25 Holyoke St.
Myrick, Lockwood, B.S. (*Mass. Agricultural Coll.*),	*Concord,*	Lexington.
Nichols, John Loring, A.B.,	*Somerville,*	Central St., Somerville.
Norton, Jesse Roland, A.B.,	*Willard, Ky.,*	W. 42.
Otis, William Sigourney, A.B.,	*Nahant,*	139 Beacon St.
Parker, Edmund Morley, A.B.,	*Cambridge,*	5 Craigie St.
Parker, James, A.B.,	*Boston,*	13 Wadsworth House.
Pray, Thomas Moses, A.B. (*Bowdoin Coll.*),	*Dover, N.H.,*	465 Broadway.
Richardson, William Minard, A.B.,	*Portland, Me.,*	Dolton's Block 13.
Ritchie, Walter Thomas,	*Ludlow, Ky.,*	95 Mt. Auburn St.
Robinson, Edward, A.B.,	*Boston,*	M. 44.
Russell, Thomas, A.B.,	*Boston,*	T. 44.
Sargent, William Arthur, A.B. (*Amherst Coll.*),	*Boston,*	206 Northampton St., Boston.
Shattuck, Amos Blanchard,	*Manchester, N.H.,*	20 Prescott St.
Sheafe, William, A.B.,	*Boston,*	H'y 9.
Simpson, Frank Ernest, A.B.,	*Boston,*	W. 16.
Sprague, Charles Franklin,	*Boston,*	Dolton's Block 10.
Story, Marion, A.B.,	*Boston,*	Beck Hall 33.
Sullivan, Richard, A.B. (*Boston University*),	*Boston,*	C. 27.
Tarbell, William Croswell, A.B.,	*Boston,*	81 Brimmer St., Boston.

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Temple, Frederick Henry, A.B.,	*Charlestown,*	284 Bunker Hill St., Charlestown.
Thorp, Joseph Gilbert, A.B.,	*Madison, Wis.,*	G. 12.
Trimble, Walter, A.B.,	*New York, N.Y.,*	Beck Hall 41.
Van Rensselaer, William Bayard, A.B.,	*Albany, N.Y.,*	16 Quincy St.
Vinton, Charles Henry, A.B.,	*Boston,*	58 Trowbridge St.
Wellman, Arthur Holbrook, A.B. (*Amherst Coll.*),	*Malden,*	34 North Ave.
Wenzell, Henry Burleigh, A.B.,	*Cambridge,*	G. 24.
Wheeler, Henry, A.B.,	*Boston,*	89 Brattle St.
Wood, Stephen Blake, A.B.,	*Arlington,*	H. 31.

SPECIAL STUDENTS.

Avery, Albert Everett,	*East Braintree,*	410 Harvard St.
Brady, Philip Edward,	*Attleboro',*	5 De Wolf St.
Brooks, Edward M.,	*Fall River,*	16 Oxford St.
Burke, Frank,	*Brighton,*	Brighton.
Cheshire, Robert Morris,	*Holcomb, Ill.,*	80 Mt. Auburn St.
Clark, Charles Washburn,	*Cambridge,*	156 Mt. Auburn St.
Clark, William Bradford,	*Cambridge,*	Beck Hall 26.
Cobb, William Titcomb, B.S. (*Bowdoin Coll.*),	*Rockland, Me.,*	19 Hilliard St.
Coldewey, William George,	*Louisville, Ky.,*	404 Harvard St.
Cornish, Albert Judson LL.B., (*Iowa State Univ.*),	*Hamburg, Iowa,*	718 Cambridge St.
Cutler, George Chalmers,	*Bangor, Me.,*	20 Holyoke St.
Davis, Nathaniel Henchman,	*Cincinnati, O.,*	M. 36.
Egan, Michael Francis,	*Cambridge,*	216 Franklin St.
Fessenden, Albert Fielding,	*Cambridge,*	153 Mt. Auburn St.
Fisse, William Edmund, LL.B. (*St. Louis Law Sch.*),	*St. Louis, Mo.,*	10 Frisbie Pl.
Francis, Nathaniel Atwood,	*Brookline,*	Davis Ave., Brookline.
Heald, Charles Prescott,	*Canton, Ill.,*	14 Story St.
Kappes, William Park,	*Indianapolis, Ind.,*	10 Oxford St.
Lawrence, William Paige,	*Boston,*	5 Commonwealth Ave., Boston.
Little, Clarence Belden,	*Pembroke, N.H.,*	718 Cambridge St.
Lockwood, Hanford Nicholas,	*Troy, N.Y.,*	10 Frisbie Pl.
McAllister, Ward, LL.B. (*Albany Law School*),	*Newport, R.I.,*	1 Holyoke St.
Mangum, William Van Alstyne,	*Houston, Tex.,*	M. 4.
Millard, Edmund Watson,	*Great Barrington,*	135 Oxford St.
Nakayama, Kanrokuro,	*Tokio, Japan,*	78 Mt. Auburn St.
Osborn, George Warren,	*San Francisco, Cal.,*	589 Main St.

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Owen, Louis Hooper,	*Owego, N.Y.*,	M. 33.
Peabody, Francis, LL.B. (*Trinity Coll., Cambridge, Eng.*),	*Salem*,	9 Linden St.
Powers, Horace Johnson,	*Quincy, Ill.*,	7 Waterhouse St.
Punch, John Henry,	*Cambridge*,	4 Winter St.
Rackemann, Charles Sedgwick,	*Lenox*,	4 Garden St.
Reardon, John Joseph,	*Shirley*,	S. 10.
Richardson, George Reed,	*Lowell*,	410 Harvard St.
Taff, John Henry,	*Charlestown*,	5 Cross St., Charlestown.
Tilden, Beverley Bingham,	*New York, N.Y.*,	Beck Hall 2.
Turner, Edward Winslow,	*Plattsburg, Mo.*,	127 Mt. Auburn St.
Tyler, William Bute,	*San Francisco, Cal.*,	Gardner St., Allston.
Webster, John Rodman,	*Framingham*,	Framingham.

Summary.

THIRD YEAR'S STUDENTS	20
SECOND YEAR'S STUDENTS	32
FIRST YEAR'S STUDENTS	75
SPECIAL STUDENTS	38
Total	165

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THE LAW SCHOOL.

COURSE OF INSTRUCTION.

The design of this School is to afford such a training in the fundamental principles of English and American Law as will constitute the best preparation for the practice of the profession in any place where that system of law prevails. With this view, the course of study, which is designed to occupy the student three full years, will comprise the following subjects: —

I. ORDINARY COURSE.

FIRST YEAR.

Real Property. PROF. GRAY. *Two hours a week.* No text-book.

Contracts. PROF. LANGDELL. *Three hours a week.* Langdell's Cases on Contracts.

Torts. MR. HOWLAND. *Three hours a week.* Ames's Cases on Torts.

Criminal Law and Criminal Procedure. PROF. THAYER. *One hour a week.* No text-book.

Civil Procedure at Common Law. PROF. AMES. *One hour a week.* Ames's Cases on Pleading.

SECOND YEAR.

ELECTIVE SUBJECTS.

Evidence. PROF. THAYER. *Two hours a week.* No text-book.

Jurisdiction and Procedure in Equity. PROF. AMES. *Two hours a week.* Langdell's Cases in Equity Pleading.

Property. PROF. GRAY. *Two hours a week.* No text-book.

Trusts and Mortgages. PROF. AMES. *Two hours a week.* No text-book.

Sales of Personal Property. PROF. THAYER. *Two hours a week.* Langdell's Cases on Sales.

Bills of Exchange and Promissory Notes. PROF. LANGDELL. *Two hours a week.* Ames's Cases on Bills and Notes.

THIRD YEAR.

ELECTIVE SUBJECTS.

Jurisdiction and Procedure in Equity. PROF. LANGDELL. *One hour a week.* Langdell's Cases on Equity Jurisdiction.

Partnership and Corporations. PROF. AMES. *Two hours a week.* No text-book.

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Conflict of Laws. PROF. GRAY. *One hour a week for half the year.* No text-book.

Constitutional Law. PROF. THAYER. *One hour a week for half the year.* No text-book.

Agency and Carriers. PROF. THAYER. *One hour a week.* No text-book.

Wills and Administration. PROF. GRAY. *One hour a week.* No text-book.

Jurisprudence. PROF. GRAY. *One hour a week.* Austin on Jurisprudence.

The two second-year subjects not taken in that year. *Four hours a week.*

Every candidate for the ordinary degree will be required to take in the second year at least eight hours a week, and in the third year at least six hours a week.

II. HONOR COURSE.

FIRST YEAR.

Real Property. PROF. GRAY. *Two hours a week.* No text-book.

Contracts. PROF. LANGDELL. *Three hours a week.* Langdell's Cases on Contracts.

Torts. MR. HOWLAND. *Three hours a week.* Ames's Cases on Torts.

Criminal Law and Criminal Procedure. PROF. THAYER. *One hour a week.* No text-book.

Civil Procedure at Common Law. PROF. AMES. *One hour a week.* Ames's Cases on Pleading.

SECOND YEAR.

Evidence. PROF. THAYER. *Two hours a week.* No text-book.

Jurisdiction and Procedure in Equity. PROF. AMES. *Two hours a week.* Langdell's Cases in Equity Pleading.

Property. PROF. GRAY. *Two hours a week.* No text-book.

Trusts and Mortgages. PROF. AMES. *Two hours a week.* No text-book.

THIRD YEAR.

REQUIRED SUBJECTS.

Jurisdiction and Procedure in Equity. PROF. LANGDELL. *One hour a week.* Langdell's Cases on Equity Jurisdiction.

Partnership and Corporations. PROF. AMES. *Two hours a week.* No text-book.

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ELECTIVE SUBJECTS.

Sales of Personal Property. PROF. THAYER. *Two hours a week.* Langdell's Cases on Sales.

Bills of Exchange and Promissory Notes. PROF. LANGDELL. *Two hours a week.* Ames's Cases on Bills and Notes.

Conflict of Laws. PROF. GRAY. *One hour a week for half the year.* No text-book.

Constitutional Law. PROF. THAYER. *One hour a week for half the year.* No text-book.

Agency and Carriers. PROF. THAYER. *One hour a week.* No text-book.

Wills and Administration. PROF. GRAY. *One hour a week.* No text-book.

Jurisprudence. PROF. GRAY. *One hour a week.* Austin on Jurisprudence.

Every candidate for the honor degree will be required to take in the third year at least six hours a week in the elective subjects, in addition to the two required subjects.

ADMISSIONS, EXAMINATIONS, AND DEGREES.

Graduates of colleges will be admitted as candidates for a degree, without examination, upon producing their diplomas; candidates for a degree who are not graduates of colleges will be admitted only upon passing a satisfactory examination in the following subjects: —

1. LATIN. Candidates will be required to translate (without the aid of grammar or dictionary) passages selected from one or more of the following books: Cæsar's Commentaries on the Gallic War, Cicero's Select Orations, and the Aeneid of Virgil.

2. BLACKSTONE'S COMMENTARIES (exclusive of editors' notes).

Proficiency in French, representing an amount of preparatory work equivalent to that demanded of those who offer Latin, will be accepted as a substitute for the requisition in the latter language. Candidates will be required to translate (without the aid of grammar or dictionary) passages from standard French prose authors, and also to render passages of easy English prose into French.

The Faculty will, at their discretion, permit some other language to be substituted for Latin or French; but a satisfactory examination in some language other than English will be required, in all cases. The examinations will be in writing; and, in judging the work of the candidates, attention will be paid to spelling, punctuation, grammar, and expression.

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Two examinations for admission will be held each year: one at the beginning of the summer vacation; the other at the beginning of the academic year in the autumn.

In 1880, the first examination will be held on Thursday, July 1, at Cambridge, at Cincinnati, Ohio, and at Chicago, Ill.; and the second, on Thursday, Sept. 30, at Cambridge only. For each examination, candidates will assemble at 9 A.M., — in Cambridge, in Dane Hall; in Cincinnati and Chicago, in places to be announced in the daily papers of those cities. Candidates who are allowed to substitute some other language for Latin or French will be examined in such language at the second examination only. *No person will be examined at any other time or place than those above specified.*

Applicants will be required, before examination, to produce certificates of good moral character.

The Faculty will accept the degree of Bachelor of Science, or other degree of similar import, instead of the degree of Bachelor of Arts, when satisfied that it represents an amount of linguistic training equal to that required of those who offer themselves for examination.

Admission to advanced standing will be allowed only upon an examination, which will be held at the beginning of the academic year, and will require of the candidates a thorough knowledge of the following books: —

Williams on Real Property; Washburn on Real Property (Book I., Chapters 1 to 5 inclusive, 10 to 12 inclusive, and Chapter 14; also Book II., Chapters 1 and 2); Langdell's Cases on Contracts; Ames's Cases on Torts, Parts I.–II.;* Blackstone's Commentaries, Book IV.; Greenleaf on Evidence, Part V.; Ames's Cases on Pleading.* The examination is by printed questions, which the candidates answer in writing, in the presence of the examiner.

Candidates for advanced standing will also be required to pass the examination for admission as above set forth, unless they have received a degree which entitles them to admission without examination.

The examination for admission to advanced standing in the year 1880 will be held at Dane Hall, on Thursday and Friday, Sept. 30 and Oct. 1, beginning at 9 A.M. on Thursday. No applicant will be examined at any other time.

Persons who are not candidates for a degree may, upon producing certificates of good moral character, enter the School as special students at any time without examination, and avail themselves of its advantages in whatever manner and to whatever extent they see fit.

All persons who, while members of the School, shall pass a satisfactory

* To be obtained at the University Bookstore, Cambridge, Mass.

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examination in one or more subjects, will be entitled to a certificate, stating the length of time they have been members of the School, and specifying the subjects in which they have passed such examination.

The degree of Bachelor of Laws will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire ordinary course of three years. The degree of Bachelor of Laws *cum laude* will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire honor-course of three years. The examinations in the studies of the second and third years must be passed at the end of each year respectively. In the studies of the first year, the examinations must be passed either at the end of that year or at the examination for advanced standing in September following. In order to obtain the honor-degree, the candidate must pass the examinations in the studies of the second and third years without any conditions, and must obtain a general average of not less than seventy-five per cent of the maximum mark in each of those years. Those who try for the honor degree and fail will receive the ordinary degree, provided their examinations come up to the standard required for that degree. Neither degree will be conferred until the candidate shall have attained the age of twenty-one years. Those who cannot remain more than two years are advised to enter at the beginning of the course and remain during the first and second years, and be absent during the third year, returning for the final examinations in June of their third year.

FEES AND EXPENSES.

The tuition fee is $150 a year.

There are no *extra* charges in the School.

The other expenses of a student for an academic year may be estimated as follows: —

Rent and care of furnished room . . .	$40 to $150
Board for thirty-eight weeks	133 to 304
Fuel and Lights	20 to 25
Text-Books	20 to 25
	$213 to $504

Board at cost can be obtained by members of the Law School at Memorial Hall. It is expected that the cost per week will not exceed four dollars. Applications for seats should be made at the Hall to the Auditor, from whom full information can be obtained.

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Law School bills are payable in each year on January 12, April 5, and October 9. Each bill will contain one third of the annual charges. All candidates for degrees must pay the third bill at least one day before Commencement; and, when a student severs his connection with the School, his whole bill becomes payable at once.

Deductions from the full year's tuition-fee will be made as follows: —

If a student joins or leaves the School between January 1 and April 1, one third will be deducted.

If a student joins the School between April 1 and Commencement, or leaves the School before January 1, two thirds will be deducted.

No deduction will be made in case of a student leaving the School, unless he gives immediate notice thereof, in writing, to the Dean.

Every student must file a bond with the Bursar in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of dues to the University; or, instead of filing a bond, he may pay his tuition-fee for the year in advance, and deposit $50 with the Bursar upon his entrance, and at the beginning of each subsequent academic year, to be retained until the end of the academic year, and then to be accounted for. No officer or student of the University will be accepted as bondsman. Law Students who live in College rooms or board at Memorial Hall must file the same bond as undergraduates ($400), or pay rent for the year in advance, and deposit $200 with the Bursar as security for the payment of their board. All persons living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates.

SCHOLARSHIPS.

Four Bussey Scholarships and four University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Law School. They are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year. The award is made by the Corporation, on the recommendation of the Faculty. One third of the annual value of the Scholarships is paid on the 9th of October following the award, one third on the 12th of January, and one third on the 5th of April. Applications for these Scholarships must be made, in writing, to the Dean by the 1st of June.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories,

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is also open, without additional charge, to students of the Law School. Among the numerous courses of instruction in Harvard College (more than one hundred in all), those upon Roman Law, Political Economy, and History, are particularly suitable for Law Students; but many other courses, as those upon English Literature, Modern Languages, Philosophy, and Physical Science, may be useful to students whose previous opportunities have been limited. Those who wish to avail themselves of these privileges must procure from the Dean a certificate of membership of the School.

For further information and for examination papers, address John H. Arnold, *Librarian of the Law School*, Cambridge, Mass.

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THE LAWRENCE SCIENTIFIC SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
HENRY L. EUSTIS, A.M., *Dean, and Professor of Engineering.*
JOSEPH LOVERING, LL.D., *Professor of Mathematics and Natural Philosophy.*
JOSIAH D. WHITNEY, LL.D., *Professor of Geology.*
WOLCOTT GIBBS, M.D., LL.D., *Professor of Physics.*
JOSIAH P. COOKE, A.M., *Professor of Chemistry and Mineralogy, and Director of the Chemical Laboratory.*
JAMES M. PEIRCE, A.M., *Professor of Mathematics.*
GEORGE L. GOODALE, A.M., M.D., *Professor of Botany and Director of the Botanic Gardens.*
CHARLES H. MOORE, *Instructor in Drawing and Principles of Design.*
NATHANIEL S. SHALER, S.D., *Professor of Palaeontology.*
JOHN TROWBRIDGE, S.D., *Assistant-Professor of Physics.*
WILLIAM G. FARLOW, A.M., M.D., *Professor of Botany.*
WILLIAM JAMES, M.D., *Assistant-Professor of Physiology.*
C. LORING JACKSON, A.M., *Assistant-Professor of Chemistry.*
WILLIAM M. DAVIS, M.E., *Instructor in Geology.*
HENRY B. HILL, A.M., *Assistant-Professor of Chemistry.*
WALTER FAXON, A.B., S.D., *Instructor in Zoölogy.*
EDWARD L. MARK, PH.D., *Instructor in Zoölogy.*
ROBERT W. WILLSON, A.B., *Tutor in Physics.*
HARRY B. HODGES, *Instructor in German and Chemistry.*
FRANCIS W. DEAN, S.B., *Tutor in Surveying and Drawing.*

ASSISTANTS.

NATHANIEL D. C. HODGES, A.B., *Assistant in Physics.*
WILLIAM H. MELVILLE, A.M., *Assistant in Mineralogy.*
CHARLES F. MABERY, S.B., *Assistant in Chemistry.*
ROBERT W. GREENLEAF, A. B., *Assistant in Botany.*
CLEMENT W. ANDREWS, A.B., *Assistant in Organic Chemistry.*

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STUDENTS.

The Roman numerals indicate courses as follows: I., *Civil and Topographical Engineering;* II., *Chemistry;* III., *Natural History;* IV., *Mathematics, Physics, and Astronomy.*

Fourth Year.

NAME.	COURSE.	RESIDENCE.	ROOM.
Cutler, Joseph Gore,	I.	*Cambridge,*	723 Cambridge St.
Plummer, Leander Allen,	I.	*New Bedford,*	890 Main St.

Third Year.

Cobb, Henry Ives,	I.	*Brookline,*	W. 29.
Elliott, Howard,	I.	*Cambridge,*	T. 5.
Swift, Robert,	III.	*Roxbury,*	W. 24.

Second Year.

Metcalf, Charles Hunt,	IV.	*Worcester,*	D. 26.

First Year.

Barnes, William,	III.	*Decatur, Ill.,*	H. 21.
Patten, William,	III.	*Watertown,*	Watertown.
Sanborn, Herbert Lyman,	I.	*Cambridgeport,*	96 Magazine St.

Special Students.

Betton, Cornelius Grinnell,	*Newport, R.I.,*	59 Kirkland St.
Cary, George,	*Buffalo, N.Y.,*	H'y 8.
Durell, Thomas Moulton, M.D.,	*Somerville,*	Somerville.
Faulkner, Herbert Kimball,	*Keene, N.H.,*	718 Cambridge St.
Gillig, Harry M.,	*Virginia City, Nev.,*	Little's Block 9.
Thissell, Joseph Abbott,	*Beverly,*	6 DeWolf St.
Tingle, Edward William Stevens,	*Wheeling, W.Va.,*	8 Appian Way.

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THE SCIENTIFIC SCHOOL.

COURSES OF INSTRUCTION.

This School offers complete courses of instruction in various departments of Science as stated below: —

I. COURSE OF FOUR YEARS IN CIVIL AND TOPOGRAPHICAL ENGINEERING.

First Year.

Spherical Trigonometry and Analytic Geometry. Wheeler's and Howison's. — Lectures. — Additional examples. Five times a week. Mr. Dean.

Descriptive Geometry and Perspective. Church's. Three times a week. Professor Eustis.

Elementary Physics. One Lecture a week. Professor Lovering.

Surveying, Plotting, and Topographical Drawing. Gillespie's treatise, with field and laboratory practice. Seven hours a week. Mr. Dean.

Mechanical Drawing. Six hours a week. Mr. Dean.

Second Year.

Differential and Integral Calculus. Church's, with numerous additional examples. Five times a week. Professor Eustis.

Elementary Physics. One lecture a week. Professor Lovering.

Elementary Chemistry (twenty lectures). Once a week. Professor Cooke.

German. Sheldon's Grammar. — Translation from German into English, and Elementary Exercises in translating into German. Three times a week. Messrs. Sheldon and Lutz.

(Required of students who did *not* offer German at their examination for admission.)

French. Brachet (Grammaire française). — Bôcher's Reader. — Modern Plays and Novels. — Three times a week. Assistant Professor Jacquinot.

(Required of students who did *not* offer French at their examination for admission.)

Mechanical Drawing. Six hours a week. Mr. Dean.

Levelling, Topographical Drawing, and Henck's Field-book. Six hours a week. Mr. Dean.

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THIRD YEAR.

Mechanics. Weisbach's Mechanics. — Wood's Bridges and Roofs. Five times a week. PROFESSOR EUSTIS.

French. Sandeau. — G. Sand. — French Plays. — Exercises in Conversation and Composition. Three times a week. ASSISTANT PROFESSOR JACQUINOT.

German Scientific Prose. Twice a week. MR. HODGES.

Mechanical Drawing. Four hours a week. MR. DEAN.

Free-hand and Water-color Drawing. Four hours a week. MR. MOORE.

FOURTH YEAR.

Applied Mechanics and Constructive Engineering. Building Materials, and their applications in Railroads, Canals, Bridges, etc. — Graphical Statics. — Hydraulics. — Discussions of existing structures and working out of projects. — Rankine's Applied Mechanics and Rankine's Civil Engineering. Five times a week. PROFESSOR EUSTIS.

Applications of Descriptive Geometry to Masonry and Stone-cutting. Lectures and Drawing. PROFESSOR EUSTIS.

Determinative Mineralogy and Lithology (with study in the mineral cabinet). Three times a week. PROFESSOR COOKE and MR. MELVILLE.

Practical Astronomy (with permission to make use, under suitable restriction, of the instruments of the Observatory). — Determination of time. — Use of the transit and sextant. — Determination of latitude by the zenith telescope and equivalent instruments. Telegraphic determination of longitudes. Two hours a week. MR. WILLSON.

Preparation of Thesis.

Students who complete this course, pass the required examinations, and present a satisfactory thesis, receive the degree of Civil Engineer, and are prepared to enter on the practice of their profession.

II. COURSE OF FOUR YEARS IN CHEMISTRY.

FIRST YEAR.

Descriptive Chemistry (with laboratory work). Three times a week, ASSISTANT PROFESSOR JACKSON.

Elementary Physics. One lecture a week. PROFESSOR LOVERING.

German. Sheldon's Grammar. — Translation from German into English, and Elementary Exercises in translating into German. Three times a week. MESSRS. SHELDON and LUTZ.

(Required of students who did *not* offer German at their examination for admission.)

French. Brachet (Grammaire française). — Bôcher's Reader. — Mod-

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ern Plays and Novels. Three times a week. ASSISTANT PROFESSOR JACQUINOT.

(Required of students who did *not* offer French at their examination for admission.)

Qualitative Analysis, as the regular laboratory work of the first half year. Eighteen hours a week. ASSISTANT PROFESSOR H. B. HILL.

Quantitative Analysis, as the regular laboratory work of the second half year. Eighteen hours a week. PROFESSOR COOKE and MR. HODGES.

SECOND YEAR.

Technological Chemistry, including the manufacture of chemical products, organic as well as inorganic, dyeing, calico printing, &c. Three times a week. Recitations and Excursions. MR. HODGES.

Elementary Physics. One lecture a week. PROFESSOR LOVERING.

German Scientific Prose. Twice a week. MR. HODGES.

Quantitative Analysis, as the regular laboratory work for the year. Twenty hours a week. This includes assaying, water and gas analysis, and the more important commercial tests. PROFESSOR COOKE and MR. HODGES.

THIRD YEAR.

*Physics;** *Practical exercises in the Laboratory, including the use of instruments of precision in testing the laws of Mechanics, Acoustics, Optics, Magnetism, and Electricity; and an extended course in Electrical Measurements.* Three times a week. ASSISTANT PROFESSOR TROWBRIDGE.

French Scientific Prose. Twice a week. ——— ———.

Determinative Mineralogy and Lithology (with work in the mineral cabinet). Three times a week. PROFESSOR COOKE and MR. MELVILLE.

Organic Chemistry, as the regular laboratory work for the year. Eighteen hours a week. ASSISTANT PROFESSOR H. B. HILL.

FOURTH YEAR.

Crystallography and the Physics of Crystals (with work in the mineral cabinet). Three times a week. PROFESSOR COOKE.

Mechanical Drawing. Four hours a week. MR. DEAN.

Laboratory work. Twenty-three hours a week in preparation of thesis.

This course is intended for students preparing to become practical chemists or teachers of the science; and a student who completes the four years' course, passes the required examinations, and presents a satisfactory thesis, receives the degree of Bachelor of Science.

* Students who are not qualified for this course will take in place of it the course in Physics prescribed for the first year's Students in Natural History. (See p. 140.)

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The course is also open to "special students," not candidates for a degree on the terms stated beyond.

It has been so arranged that the studies of the first two years constitute a special course in practical chemistry, including all the details of chemical analysis. To those who finish satisfactorily this partial course, and prove their competency by laboratory work and by examination, certificates will be given stating the length of time they have been members of the school, and the extent of their preparation as Practical Chemists.

III. COURSES OF FOUR YEARS IN NATURAL HISTORY.

First Year.

These courses are designed to furnish a special training in the departments of Geology and Biology.

The studies of the first two years are common to both departments.

Students are required to designate at the beginning of the third year the department in which they intend to take their degree. During their term of study they will be regarded as the special students of the professors in that department.

Physical Geography and Meteorology. Three times a week. Mr. Davis.

Descriptive Chemistry (with laboratory work). Three times a week. Assistant Professor Jackson.

Physics. — Mechanics. — Hydrostatics. — Pneumatics. — Light. Twice a week. Mr. Willson.

Botany. Three times a week. Professor Goodale.

Zoölogy. Twice a week. Dr. Mark.

German. Sheldon's Grammar. — Translation from German into English, and Elementary Exercises in translating into German. Three times a week. Messrs. Sheldon and Lutz.

(Required of students who did *not* offer German at their examination for admission.)

French. Brachet (Grammaire française). — Bôcher's Reader. — Modern Plays and Novels. Three times a week. Assistant Professor Jacquinot.

(Required of students who did *not* offer French at their examination for admission.)

Second Year.

German Scientific Prose. Twice a week. Mr. Hodges.

French Scientific Prose. Twice a week. ———

Qualitative Analysis and Chemical Philosophy (with laboratory work). Three times a week. Assistant Professor H. B. Hill.

Geology. Three times a week. Professor Shaler.

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Biology (Morphology, Histology and Development of Plants and Animals). Three times a week. PROFESSOR FARLOW and DR. FAXON.

Physiology and Hygiene. Once a week. ASSISTANT PROFESSOR JAMES.

Free-hand and Water-color Drawing. Four hours a week. MR. MOORE.

THIRD YEAR.

Palaeontology (with laboratory work). Twice a week. PROFESSOR SHALER.

Free-hand and Water-color Drawing. Four hours a week. MR. MOORE.

Logic and Metaphysics. Twice a week. ASSISTANT PROFESSOR PALMER.

GEOLOGY.

Determinative Mineralogy and Lithology (with work in the mineral cabinet). Three times a week. PROFESSOR COOKE and MR. MELVILLE.

Advanced Geology. Three times a week. PROFESSOR SHALER.

Topographical Surveying. Seven hours a week. MR. DEAN.

BIOLOGY.

Advanced Zoölogy. Three times a week. DR. FAXON.

Advanced Botany. Lectures and laboratory work. Three times a week. PROFESSORS GOODALE and FARLOW.

Philosophy of Evolution.—Spencer's First Principles.—Lectures. Twice a week. ASSISTANT PROFESSOR JAMES.

FOURTH YEAR.

The student will, during the fourth year, be expected to devote a considerable part of his time to some special investigation, the results of which will be embodied in his thesis; in the selection of a subject he will be advised by the professors whose courses he has followed in previous years. Students of geology will be encouraged to give as much time as possible to work in the field, and a report of such work will form the best thesis that can be presented.

The following courses, selected from those offered in the University during the present year, will serve to indicate the character of the instruction of which the student may avail himself during the last year of the Natural History course.

GEOLOGY.

Historical Geology (with laboratory work). Twice a week. PROFESSOR SHALER.

Geological Field-work; for training in the principles of Geological Surveying, with work in the field and in the preparation of reports. Nine hours a week. PROFESSOR SHALER and MR. DAVIS.

Economical Geology. Twice a week. PROFESSOR WHITNEY.

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Dynamical Geology. Twice a week. PROFESSOR WHITNEY.

Qualitative Analysis (in the laboratory). Three times a week. PROFESSOR COOKE and MR. HODGES.

BIOLOGY.

Advanced Morphology, Histology and Physiology of Phanerogams. Three times a week. PROFESSOR GOODALE.

Anatomy and Development of Cryptogams. Three times a week. PROFESSOR FARLOW.

Agricultural Chemistry. Twice a week at the Bussey Institution. PROFESSOR STORER.

General Entomology (with laboratory work). Twice a week. PROFESSOR HAGEN.

Applied Zoölogy (Anatomy and Physiology of Domestic Animals). Twice a week at the Bussey Institution. PROFESSOR SLADE.

Human Anatomy and Physiology. At the Medical School. PROFESSORS HOLMES and BOWDITCH and DOCTORS BEACH and GARLAND.

Physiological Psychology. Twice a week. ASSISTANT PROFESSOR JAMES.

Students who make good use of the opportunities afforded by the summer schools, or who, during the long vacation, pursue studies under the direction of the professors in their departments may shorten this course of study to three years.

Students who complete either of the above courses, pass the required examinations, and present a satisfactory thesis, will receive the degree of Bachelor of Science.

IV. COURSE OF FOUR YEARS IN MATHEMATICS PHYSICS, AND ASTRONOMY.

FIRST YEAR.

Practical Applications of Trigonometry. — Principles of Surveying. — Spherical Trigonometry. — Applications of Spherical Trigonometry to Astronomy and Navigation. Twice a week. ASSISTANT PROFESSOR C. J. WHITE.

Analytic Geometry. Lectures. Twice a week till Christmas, and three times a week for the rest of the year. MR. G. R. BRIGGS.

Physics. — Mechanics. — Hydrostatics. — Pneumatics. — Light. Twice a week. MR. WILLSON.

Descriptive Geometry and Perspective. Three times a week. PROFESSOR EUSTIS.

German. Sheldon's Grammar. —Translation from German into English, and Elementary Exercises in translating into German. Three times a week. MESSRS. SHELDON and LUTZ.

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(Required of students who did *not* offer German at their examination for admission.)

French. Brachet (Grammaire française). — Bôcher's Reader. — Modern Plays and Novels. Three times a week. ASSISTANT PROFESSOR JACQUINOT.

(Required of students who did *not* offer French at their examination for admission.)

Elementary Physics. One lecture a week. PROFESSOR LOVERING.

SECOND YEAR.

Differential and Integral Calculus; first course. Twice a week. PROFESSOR J. M. PEIRCE.

Analytic Geometry. Twice a week. ASSISTANT PROFESSOR BYERLY.

Theory of Equations. Twice a week. PROFESSOR J. M. PEIRCE.

Astronomy, Optics, and Acoustics. Twice a week. PROFESSOR LOVERING.

Descriptive Chemistry (with laboratory work). Three times a week. ASSISTANT PROFESSOR JACKSON.

German Scientific Prose. Twice a week. MR. HODGES.

Elementary Physics. One lecture a week. PROFESSOR LOVERING.

THIRD YEAR.

Differential and Integral Calculus; second course. Three times a week. ASSISTANT PROFESSOR BYERLY.

Analytic Mechanics; first course. Three times a week. PROFESSOR J. M. PEIRCE.

Physics; Practical exercises in the laboratory, including the use of instruments of precision in testing the laws of Mechanics, Acoustics, Optics, Magnetism and Electricity; and an extended course in Electrical Measurements. Three times a week. ASSISTANT PROFESSOR TROWBRIDGE.

French. Sandeau. — G. Sand. — French Plays. — Exercises in Conversation and Composition. Three times a week. ASSISTANT PROFESSOR JACQUINOT.

Mechanical Drawing. Four hours a week. MR. DEAN.

FOURTH YEAR.

Analytic Mechanics; second course. Three times a week. PROFESSOR J. M. PEIRCE.

Undulatory Theory of Light. — Electricity and Magnetism. Three times a week. PROFESSOR LOVERING.

The Spectroscope and its Applications — Thermodynamics and Thermics, including the applications of Heat. Three times a week PROFESSOR GIBBS.

Practical Astronomy (with permission to make use, under suitable re-

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triction, of the instruments of the Observatory). — Determinations of time. — Use of the transit and sextant. — Determination of latitude by the zenith telescope and equivalent instruments. Telegraphic determination of longitudes. Two hours a week. MR. WILLSON.

Preparation of Thesis.

The course may be varied to meet the wants of students.

Students who complete this course, pass the required examinations, and present a satisfactory thesis, receive the degree of Bachelor of Science.

ADMISSION.

Candidates for admission to any one of the regular courses in Engineering, Chemistry, Natural History, *or* Mathematics, Physics, and Astronomy, will be examined in the following subjects: —

MODERN GEOGRAPHY. — Miss Hall's Our World, No. 2.

ENGLISH COMPOSITION. — Each candidate will be required to write a short English composition, correct in spelling,* punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of examination. In 1880, the subject will be drawn from one of the following works; —

Shakspere's King Lear and Much Ado About Nothing; Gray's Elegy in a Country Churchyard; Johnson's Six Chief Lives of the Poets, with Matthew Arnold's Preface and Macaulay's Life of Johnson; Carlyle's Essay on Johnson; Dickens's Tale of Two Cities; Scott's Quentin Durward.

Every candidate is expected to be familiar with *all* the books in this list.

In 1881, the subject will be drawn from one of the following works: —

Shakspere's Hamlet, and Romeo and Juliet; the first two books of Milton's Paradise Lost; Goldsmith's She Stoops to Conquer; Irving's Life of Goldsmith: Hawthorne's Our Old Home; George Eliot's Silas Marner; Scott's Abbot.

In 1882, the subject will be drawn from one of the following works: —

Shakspere's Othello and King John; Goldsmith's Vicar of Wakefield and Deserted Village; Carlyle's Essay on Scott; Scott's Bride of Lammermoor; George Eliot's Mill on the Floss.

LATIN. — Four books of Caesar's Commentaries, and four books of the Aeneid of Virgil, or their equivalents; Latin Grammar, as much as is contained in either Allen and Greenough's or Harkness's Elementary Latin Grammar.

FRENCH *or* GERMAN. — The translation at sight of easy French prose, or of easy German prose, if the candidate prefer to offer German. It is expected that a knowledge of the language itself will be shown in examination, rather than a knowledge of the grammar; but proficiency in

* Worcester's Dictionary is the standard.

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elementary grammar, a good pronunciation, or facility in speaking, will be accepted as an offset for some deficiency in translation. There will be no required examination in pronunciation, but it is recommended that attention be given to pronunciation from the outset. Candidates who offer German will be required to study French, and those who offer French will be required to study German during the first year.

ARITHMETIC (including the metric system of weights and measures, and the use and rudiments of the theory of logarithms). — The examples requiring the use of logarithms at the examination will be adapted to a four-place table.

ELEMENTARY ALGEBRA. — Through quadratic equations.

ELEMENTARY GEOMETRY. — The first five books of Chauvenet's Geometry.

PLANE AND ANALYTIC TRIGONOMETRY. — As much as is contained in the first eight chapters of Chauvenet's Trigonometry, or in Wheeler's Elements of Plane Trigonometry.

ELEMENTARY DESCRIPTIVE CHEMISTRY. — As much as is contained in Nichols's abridgment of Eliot and Storer's Manual.

ELEMENTARY PHSICS. — As much as is contained in Balfour Stewart's Lessons in Elementary Physics.

For the Course in Engineering, or *in Mathematics, Physics, and Astronomy.* — In addition to the above requisitions, candidates who propose to take either of these courses will be examined in —

ADVANCED ALGEBRA. — As much as is contained in the larger works of Olney, Robinson, Todhunter, or Greenleaf.

SOLID GEOMETRY. — The last four books of Chauvenet's Geometry.

Every candidate for admission to advanced standing will be further examined in all the studies already pursued by the class for which he offers himself.

Graduates of Harvard College who have passed a satisfactory examination while in College on the subjects of the first and second years of the Engineering course, except Drawing and Surveying, will be admitted to the third year of that course. Undergraduates who intend to study Engineering are recommended by the Scientific Faculty to take, as extras, the courses of Drawing and Surveying in the Scientific School; but these subjects may be made up in the third and fourth years.

In all the courses of the Scientific School, the successful study of any subject in College will be taken as an equivalent for the same subject in the Scientific School.

Two regular examinations for admission are held each year, one at the beginning of the summer vacation, and the other at the beginning of the academic year in the autumn.

In 1880 the first examination will be held in Cambridge, in Cincinnati,

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Ohio, and in Chicago, Ill., on Thursday, Friday, and Saturday, July 1, 2, and 8; and the second in Cambridge, *only*, on Wednesday, Thursday, and Friday, September 30, October 1 and 2. For each examination attendance on the three days is required. Candidates will assemble punctually at 8 o'clock A. M.,—in Cambridge, in Lawrence Hall; in Cincinnati and Chicago, at places to be announced in the daily papers of those cities.

DEGREES.

THE DEGREES OF CIVIL ENGINEER AND BACHELOR OF SCIENCE.—As already stated the degree of CIVIL ENGINEER may be conferred upon any student, who has completed the prescribed course of study in Civil Engineering, passed the required examinations, and presented a satisfactory thesis; and the degree of BACHELOR OF SCIENCE may be conferred upon any student who has fulfilled the above requirements in Chemistry, Natural History, *or* Mathematics, Physics, and Astronomy. The grades of the degree are *cum laude*, *magna cum laude*, and *summa cum laude*.

The grade of the degree and the course of study for which the degree is given will be specified in the Diploma.

The requisitions for the degree of DOCTOR OF SCIENCE are stated on pp. 193–197.

INSTRUCTION FOR TEACHERS.

1. The school also offers facilities to teachers, and to persons preparing to be teachers who desire to qualify themselves in the modern methods of teaching science by observation and experiment. A one year's course of study, adapted to this purpose, may be selected from the elements of NATURAL HISTORY, CHEMISTRY, and PHYSICS, including any of the following subjects: Physical Geography and Elementary Geology; General Chemistry and Qualitative Analysis; Mineralogy; Physics; Botany; Comparative Anatomy and Physiology; Zoölogy.

This course is flexible and comprehensive: the instruction is mainly given in the laboratories and museums of the University, and is of the most practical character, every student being taught to make experiments and study specimens.

Botanical instruction is given at the botanical laboratory. Dissecting microscopes are provided for students, and the garden and greenhouses afford ample material for the practical study of the science. All work is under the direct supervision of Professors Goodale and Farlow.

Similar facilities are afforded for the study of Zoölogy, Comparative Anatomy and Physiology, Geology, and Palaeontology, at the laboratories of the Museum of Comparative Zoölogy, and of Mineralogy at the Mineral Cabinet. The instruction in Experimental Chemistry and Physics is

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given in the laboratories, and the students are shown the best methods of illustrating experimentally the principles of these sciences.

2. Special courses in Botany, Chemistry, Mineralogy, and Geology are given during the vacation to teachers and others who are unable to attend during term time. (See pp. 215–218.)

3. There is no examination for admission to the Teachers' Course.

SPECIAL STUDENTS.

Persons who are not candidates for a degree may enter the school as Special Students, at any time, without examination, and avail themselves of its advantages in whatever manner, and to whatever extent they see fit. Such students, who have been members of the school for at least one year, shall be entitled to a certificate, specifying the subjects in which they have proved themselves proficient either by examination or by laboratory work.

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

All students of the Scientific School may, if found competent, pursue any of the courses of instruction given in the other departments of the University, except exercises carried on in the special laboratories, without additional charge.

SCHOLARSHIPS.

Four University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Scientific School. They are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year. The award is made by the Corporation on the recommendation of the Faculty. One-third of the annual value of the Scholarships is paid at the time of the award, one-third about the first of January, and one-third about the first of April, following. Applications for these scholarships must be addressed, in writing, to the Dean, by the first of June.

FEES AND EXPENSES.

The tuition fee for the academic year in any of the above departments or courses is $150.

The tuition fees for candidates for the degree of Doctor of Science are stated on page 197.

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The other expenses of a student for an academic year may be estimated as follows: —

Room	from $30	to $100
Board for thirty-eight weeks	from 133	to 304
Books	from 20	to 25
Fuel and lights	from 15	to 35
Washing	from 19	to 38
Total from	$217	to $502

Scientific School bills are payable in each year on January 12, April 5, and October 9; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the school, his whole bill becomes payable at once.

Deductions from the full year's tuition fee will be made as follows: —

If a student joins or leaves the School between January 1 and April 1, one third will be deducted.

If a student joins the School between April 1 and Commencement, or leaves the School before January 1, two thirds will be deducted.

But no deduction will be made in case of a student leaving the School, unless he gives immediate notice thereof, in writing, to the Dean.

Students in the Scientific School may obtain rooms in the College buildings by applying to the Bursar, either by mail or in person. They may also join the Harvard Dining Association, and board at cost at Memorial Hall.

Students in Chemistry are supplied with all needed apparatus, but are required to restore it in as good condition as when received. They are charged for all damage or breakage, and also from ten to thirty dollars per annum for chemicals and use of apparatus.

Students in Engineering provide their own drawing materials.

The Gymnasium is open to all members of the University without extra charge.

TESTIMONIALS AND BOND.

All students admitted to the Lawrence Scientific School must furnish satisfactory evidence of good moral character; give bonds in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of all dues to the University; and register their names with the Dean of the Faculty of the School. Instead of filing a bond, a student may deposit with the Bursar such a sum of money as may be deemed sufficient to secure the payment of all dues to the University.

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Students engaging College rooms, or boarding at Memorial Hall, will be required to file the same bond as undergraduates of the College ($400), or to pay rent for the year in advance, and deposit the sum of $200 as security for the payment of their board; and they hold the rooms subject to the regulations of the Parietal Committee, in the same manner as if they were undergraduates.

No officer or student of the University will be accepted as bondsman.

For further information address A. T. GIBBS, *Secretary*, Cambridge, Mass.

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THE ASTRONOMICAL OBSERVATORY.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
EDWARD C. PICKERING, S.B., *Phillips Professor of Astronomy and Geodesy, and Director.*
WILLIAM A. ROGERS, A.M., *Assistant Professor of Astronomy.*
ARTHUR SEARLE, A.M., *Assistant.*
LEONARD WALDO, A.M., S.D., *Assistant, and in charge of the Time Service.*
FRANK WALDO, S.B., *Assistant.*

THIS Observatory was founded for the purpose of scientific research in all departments of Astronomy. To fulfil this purpose, it has been equipped with instruments of the first class and with a library of about 5,000 works (including pamphlets), principally relating to astronomical subjects. It has likewise been provided with funds for the maintenance and increase of its equipment and library, and for the payment of its current expenses, special provision having also been made for the publication of its observations.

Any one properly qualified to pursue the study of practical astronomy may be admitted to the Observatory as a student. Such students will be permitted to take part in the observations and other work carried on at the time in the Observatory, as well as to make use of the Observatory library. They will also receive from the officers of the Observatory such assistance in the study of any branch of astronomy as can be rendered without interference with current work.

In order to study profitably at the Observatory, the student should already possess such a degree of astronomical knowledge as is implied in a thorough acquaintance with Herschel's "Outlines of Astronomy," or any equivalent work. He should also have a sufficient knowledge of mathematics readily to comprehend the mathematical expressions in works like Chauvenet's "Spherical and Practical Astronomy," or the "Theoria Motus Corporum Cœlestium" of Gauss. Ability to read the German language, though not indispensable, is very desirable.

Application for admission may be made to the Director, with whom the fees for instruction may be agreed upon. In special cases, a part or the whole of the fees may be remitted in consideration of services rendered in computation.

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THE MEDICAL SCHOOL.

BOSTON.

INSTRUCTION in this School is given by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed throughout the academic year. The year begins on the Thursday following the last Wednesday in September,* and ends on the last Wednesday in June. There is a recess at Christmas, beginning December 23, and ending January 2; and a spring recess, beginning on the Wednesday before Fast Day, and ending on the following Tuesday, inclusive.

The course of instruction has been greatly enlarged, so as to extend over three years, and has been so arranged as to carry the student progressively and systematically from one subject to another, in a just and natural order.

In the subjects of anatomy, histology, chemistry, and pathological anatomy, laboratory-work is substituted for, or added to, the usual didactic lectures, and is as much required of every student as attendance at lectures and recitations.

Instead of the customary oral examination for the degree of Doctor of Medicine, held at the end of the three years' period of study, a series of written examinations on all the main subjects of medical instruction has been distributed for regular students through the whole three years. Every candidate for the degree must pass a satisfactory examination in every one of the principal departments of medical instruction, at some time during his period of study.

Members of any one department of Harvard University have a right to attend lectures and recitations in any other department, without paying additional fees. Students in the Medical School, who wish to avail themselves of this opportunity of pursuing scientific or other studies, may do so without loss of time counted as medical study, to such extent and in such manner as the Medical Faculty shall in each case prescribe. Undergraduates intending to study medicine are advised to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages, while in College.

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* That the time of study shall count as a full term, students must present themselves within the first week of the term.

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FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
CALVIN ELLIS, M.D., *Dean, and Jackson Professor of Clinical Medicine.*
OLIVER W. HOLMES, M.D., *Parkman Professor of Anatomy.*
HENRY J. BIGELOW, M.D., *Professor of Surgery.*
FRANCIS MINOT, M.D., *Hersey Professor of the Theory and Practice of Physic.*
JOHN P. REYNOLDS, M.D., *Professor of Obstetrics.*
HENRY W. WILLIAMS, M.D., *Professor of Ophthalmology.*
DAVID W. CHEEVER, M.D., *Professor of Clinical Surgery.*
JAMES C. WHITE, M.D., *Professor of Dermatology.*
ROBERT T. EDES, M.D., *Professor of Materia Medica.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
FREDERICK I. KNIGHT, M.D., *Instructor in Laryngoscopy.*
CHARLES B. PORTER, M.D., *Instructor in Surgery.*
J. COLLINS WARREN, M.D., *Instructor in Surgery.*
REGINALD H. FITZ, M.D., *Professor of Pathological Anatomy.*
WILLIAM L. RICHARDSON, M.D., *Instructor in Obstetrics.*
THOMAS DWIGHT, M.D., *Instructor in Histology.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
HENRY H. A. BEACH, M.D., *Demonstrator of Anatomy.*
WILLIAM H. BAKER, M.D., *Instructor in Gynæcology.*
WILLIAM B. HILLS, M.D., *Instructor in Chemistry.*

OTHER INSTRUCTORS.

GEORGE F. H. MARKOE, *Instructor in Materia Medica.*
FRANK W. DRAPER, M.D., *Lecturer on Forensic Medicine.*
CHARLES F. FOLSOM, M.D., *Lecturer on Hygiene and Mental Diseases.*
HENRY P. QUINCY, M.D., *Assistant in Histology.*
THOMAS WATERMAN, M.D., *Assistant in Anatomy.*
EDWARD N. WHITTIER, M.D., *Assistant in Clinical Medicine.*
ELBRIDGE G. CUTLER, M.D., *Assistant in Pathological Anatomy.*
W. STURGIS BIGELOW, M.D., *Assistant in Surgery.*
GEORGE M. GARLAND, M.D., *Assistant in Physiology.*
WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*
MAURICE H. RICHARDSON, M.D., *Assistant in Anatomy.*

The following gentlemen will give special clinical instruction: —

FRANCIS B. GREENOUGH, M.D., and EDWARD WIGGLESWORTH, M.D., *in Syphilis.*
J. ORNE GREEN, M.D., and CLARENCE J. BLAKE, M.D., *in Otology.*
JOSEPH P. OLIVER, M.D., and THOMAS M. ROTCH, M.D., *in Diseases of Children.*
SAMUEL G. WEBBER, M.D., and JAMES J. PUTNAM, M.D., *in Diseases of the Nervous System.*

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STUDENTS.

Course for Graduates.

Durell, Thomas Moulton, M.D.,	*Somerville.*
Gibson, Arthur Allen, M.D. (*Univ. of Vt.*),	*Chester, Vt.*
Lovejoy, Charles Averill, A.B., M.D.,	*Lynn.*
Rives, William Cabell, A.B. (*Oxford Univ.*), M.D. (*Univ. of City of New York*),	*Newport, R.I.*
Wilson, Arthur H. M.D.,	*S. Boston.*

Fourth Class.

Terry, Herbert, S.B. (*Cornell Univ.*),	*Fairhaven.*
Walton, George Lincoln, A.B.,	*West Newton.*

Third Class.

Adams, George Edwin,	*Lowell.*
Bill, George Edwin, A.B. (*Tufts Coll.*),	*Waltham.*
Blanchard, Benjamin Seaver,	*Boston.*
Bridgman, George Herbert, A.B. (*Dart. Coll.*),	*Keene, N.H.*
Briggs, Edward Cornelius, D.M.D.,	*Boston.*
Brown, William Francis, A.B. (*Boston Coll.*),	*Boston.*
Bullard, James Hovey, A.B.,	*Holliston.*
Burr, Buchanan,	*Astoria, N.Y.*
Cates, Abraham Barker, A.M. (*Colby Univ.*),	*Vassalboro', Me.*
Clarke, Samuel Bartlett,	*Salem.*
Cunningham, William Frost,	*Charlestown.*
Currier, Charles Gilman, A.B.,	*Boston.*
Cushing, Hayward Warren, A.B.,	*Boston.*
Cutter, Edward Jones, A.B.,	*Nashua, N.H.*
Dewey, Charles Ayrault, A.B. (*Univ. of Rochester*),	*Rochester, N.Y.*
Doggett, Frederic Fobes, A.B.,	*Quincy.*
Elliot, Edward Pearson, A.B.,	*Somerville.*
Ellis, Fred Warren,	*Monson.*
Faulkner, Harry Winthrop,	*Billerica.*
Fisk, Samuel Augustus, A.B. (*Yale Coll.*),	*Northampton.*
Goddard, Thatcher,	*Boston.*
Gregg, John Areole,	*Somerville.*
Hammond, Charles Bartlett, A.B. (*Dart. Coll.*),	*Nashua, N.H.*
Harrington, Frank Bishop, A.B. (*Tufts Coll.*),	*Salem.*
Hodges, William Donnison, A.B.,	*Nahant.*
Jackson, William Benjamin,	*Lowell.*
Jarvis, William Furness,	*Boston.*

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Jefferson, Herbert Perry,	*Lowell.*
Kingman, Rufus Anderson,	*Boston.*
Kittredge, Joseph,	*N. Andover.*
Litchfield, William Harvey,	*Hull.*
McIntyre, James Clarke,	*Boston.*
Millet, Charles Sumner,	*E. Bridgewater.*
Morton, Nathaniel Bowditch,	*Boston.*
Pierce, Matthew Vassar, A.B.,	*Boston.*
Pomroy, Herbert Jason,	*Providence, R.I.*
Ryder, Godfrey, Jr., A.B.,	*Medford.*
Sherman, Thomas Foster, A.B.,	*Boston.*
Simmons, Moyses Rogers,	*Hanover.*
Squires, Harry Sanford,	*Troy, N.Y.*
Stickney, George Augustus,	*Haverhill.*
Swift, William Nye, A.B.,	*New Bedford.*
Temple, William Franklin, Jr., A.B. (*Dart. Coll.*),	*Boston.*
Terrell, Frederick, A.B. (*Ind. Asbury Univ.*),	*San Antonio, Texas.*
Thurlow, John Howard,	*Boston.*
Titcomb, George Eugene,	*Exeter, N.H.*
Tower, Charles Bates,	*Cambridge.*
Twitchell, George Pierce,	*Keene, N.H.*
Underhill, Caleb Brooks,	*Somerville.*
Wakefield, Alley Talbot, A.B.,	*Cambridge.*
Walker, James Wise, A.B.,	*Boston.*
Warren, Edward Winslow, A.B.,	*Boston.*
West, Edward Graeff, A.B.,	*Exeter, N.H.*
Weston, Charles Galen,	*Revere.*
White, Herbert Warren,	*Randolph.*
Whitman, Royal,	*Boston.*
Whitney, Herbert Baker, A.B.,	*Leominster.*
Witherlee, Charles Bryant, A.B.,	*Castine, Me.*
Withington, Charles Francis, A.B.,	*Boston.*
Woodman, Walter, A.B.,	*Cambridge.*

Second Class.

Adams, Henry Fiske,	*Peterboro', N.H.*
Atwood, Frank Sumner,	*Salem.*
Bartlett, Frederic Russell,	*Worcester.*
Beckwith, Fred Jason, A.B. (*Yale Coll.*),	*New London, Conn.*
Bloom, Isadore Nathan, A.B. (*Yale Coll.*),	*Louisville, Ky.*
Bradford, Corey Carpenter, A.B. (*Brown Univ.*),	*W. Woodstock, Conn.*
Bradley, Charles How,	*Haverhill.*
Brainerd, John Bliss,	*St. Albans, Vt.*

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Browne, William Tyler, PH.B. (*Yale Coll.*),	*Lisbon, Conn.*
Buck, Howard Mendenhall, A.B.,	*Boston.*
Burdick, Allen,	*St. Albans, Vt.*
Church, Moses Davis,	*Valley Falls, R.I.*
Clarke, Maurice Dwight, A.B. (*Amherst Coll.*),	*E. Cambridge.*
Cobb, Charles Henry,	*Boston.*
Coe, Henry Clark, A.B. (*Yale Coll.*),	*Boston.*
Coggeshall, Henry Tisdale,	*Newport, R.I.*
Colt, Henry, Jr., A.B. (*Williams Coll.*),	*Pittsfield.*
Cushman, George Thomas,	*Boston.*
Denny, Charles Frederic,	*Somerville.*
Deroin, Francis Xavier,	*S. Ely, Canada.*
Doble, Ernest Edgar,	*W. Quincy.*
Donovan, Benedict,	*Boston.*
Dow, George William, A.B. (*Brown Univ.*),	*Lawrence.*
Dunbar, Franklin Asaph, A.B.,	*Cambridge.*
Ellicott, Edward Somerville, A.B.,	*Boston.*
Faunce, Robert Harris,	*Sandwich.*
Galligan, Edward Francis,	*Taunton.*
Gay, Frederick Lewis,	*Boston.*
Gerould, Joseph Bowditch, B.S. (*Dart. Coll.*),	*Keene, N.H.*
Godding, Clarence Miles, A.B. (*Brown Univ.*),	*Providence, R.I.*
Goodell, George Zina,	*Salem.*
Gould, Charles Asahel,	*Newtonville.*
Hall, Josiah Newhall, B.S. (*Mass. Agr. Coll.*),	*Revere.*
Harrington, Charles, 2d, A.B.,	*Salem.*
Harrower, David, Jr.,	*Place Dale, R.I.*
Hayes, Edward Stephen,	*Leavenworth, Kansas.*
Hayward, Walter Sumner, A.B. (*Brown Univ.*),	*Brockton.*
Hewins, Parke Woodbury, A.B.,	*Taunton.*
Holden, William Daniel,	*Haverhill.*
Holyoke, Frank,	*W. Medford.*
Homans, John, 2d, A.B.,	*Boston.*
Howe, James Sullivan,	*Bolton.*
Huse, Charles Archelaus, A.B. (*Brown Univ.*),	*Worcester.*
Jarvis, Leonard, B.S. (*Dart. Coll.*),	*Claremont, N.H.*
Jewett, Milo Augustus,	*Milwaukee, Wis.*
Johnson, Herbert Shattuck, A.B. (*Amherst Coll.*),	*Lowell.*
Kibbey, William Beckford,	*Washington, D.C.*
King, James Henry, A.B. (*Univ. of Vt.*),	*Benson, Vt.*
Knapp, Philip Coombs, Jr., A.B.,	*Boston.*
Lombard, Warren Plimpton, A.B.,	*W. Newton.*
Lyons, Herbert Henry, A.B. (*Bost. Coll.*),	*Milford.*

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MacKaye, Henry Goodwin,	*Boston.*
Manton, Walter Porter,	*Boston.*
McDonough, Thomas Patrick,	*Milford.*
McMichael, Willis Brooks, A.B. (*Boston Univ.*),	*Boston.*
Mead, Julian Augustus, A.B.,	*W. Acton.*
Metcalf, Simeon McCausland,	*Somerville.*
Millerick, Daniel Edward. A.B. (*Holy Cross Coll.*),	*Boston.*
Nelson, Samuel Newell, A.B.,	*Milford.*
Newell, Otis Kimball,	*Boston.*
Palmer, Lewis Merritt, A.M. (*Bates Coll.*),	*Litchfield, Me.*
Perkins, Henry Phelps, Jr.,	*Lowell.*
Potter, William Henry, A.B.,	*Boston.*
Prior, Charles Edwin, A.B.,	*Melrose.*
Russell, Eben George,	*E. Deering, Me.*
Sawin, Charles Dexter, B.S. (*Mass. Inst. Tech.*),	*Boston.*
Shepard, George Clarence, A.B.,	*Boston.*
Sherman, Frank Morton,	*Watertown.*
Squibb, Edward Hamilton, S.B.,	*Brooklyn, N.Y.*
Stearns, Charles Goddard, A.B. (*Amherst Coll.*),	*Boston.*
Sturgis, Russell, 3d, A.B.,	*Boston.*
Taylor, Frederic Weston, A.B.,	*Cambridge.*
Vickery, Herman Frank, A.B.,	*Weymouth.*
Wetherbee, Roswell,	*Acton.*
White, Charles Warren, Jr.,	*Boston.*
Whiteside, George Henry Whittaker,	*Lowell.*
Wilcox, Reynold Webb, A.B. (*Yale Coll.*),	*Madison, Conn.*
Wood, Henry Austin, A.B.,	*Upton.*
Woodward, Lemuel Fox, S.B.,	*Worcester.*

First Class.

Adams, Edward Payson,	*Castine, Me.*
Aiken, William Henry, A.B.,	*Somerville.*
Aldrich, Albert Clinton, A.B.,	*Somerville.*
Alger, Horace Chapin, A.B.,	*N. Cambridge.*
Allen, Bradford, S.B. (*Amherst Coll.*),	*E. Bridgewater.*
Allen, Gardner Weld, A.B.,	*Cambridge.*
Applegate, William A.,	*Yellow Springs, O.*
Atkins, Edgar Chester,	*Marlboro'.*
Baird, Reed McColloch,	*Wheeling, W.Va.*
Baker, David Erastus, S.B. (*Bost. Univ.*),	*Franklin.*
Bell, Robert,	*Boston.*
Boutwell, Henry Winslow,	*Medford.*

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Bowen, John Templeton, A.B.,	*Boston.*
Briard, William Henry Lighthill,	*Cambridge.*
Briggs, Frederic Melancthon, A.B.,	*Boston.*
Broderick, Thomas Joseph,	*Cambridge.*
Burgess, Arthur Joseph,	*Cambridge.*
Burr, Charles Henry, S.B.,	*Cambridge.*
Chamberlayne, Henry Dudley,	*Cambridge.*
Chandler, Frederick Alpheus,	*Addison, Me.*
Clark, Joseph Eddy,	*Boston.*
Cole, Ralph Marcus,	*Middletown, Conn.*
Conant, William Merritt, A.B.,	*Bridgewater.*
Crosby, John Abbott, S.B. (*Olivet Coll., Mich.*),	*N. Buffalo, Mich.*
Curran, Charles James,	*Holyoke.*
Delano, Samuel, A.B.,	*W. Medford.*
Devine, William Henry,	*Boston.*
Doubleday, Edwin Thompson,	*Boston.*
Drake, Henry Scudder, A.B. (*Brown Univ.*),	*Middleboro'.*
Dunn, Charles Stein,	*Dover, N.H.*
Fales, Willard Henry, A.B. (*Tufts Coll.*),	*Boston.*
Foster, Warren Wooden,	*E. Killingly, Conn.*
Fowler, Arthur Burnham,	*Salem.*
Galloupe, Charles William, 2d, A.B.,	*Lynn.*
Gavin, George Freeborn,	*Dublin, Ireland.*
Goss, Ossian Wilbur,	*Lake Village, N.H.*
Griffin, Arthur George,	*Litchfield, N.H.*
Haven, George,	*Portsmouth, N.H.*
Heustis, James Walter,	*Boston.*
Hibbard, Nathaniel, A.B. (*Brown Univ.*),	*Vergennes, Vt.*
Hodgdon, Andrew Hall, A.B.,	*Arlington.*
Holden, Charles Sumner,	*Leesburg, Fla.*
Holmes, William Dennison,	*Boston.*
Hubbard, Rufus Peabody,	*Wells, Me.*
Jackson, Alton Atwell,	*E. Jefferson, Me.*
Johnson, Frank Mackie, S.B. (*Amherst Coll.*),	*Norwich, Conn.*
Jordan, Herbert Stanton,	*Brownfield, Me.*
Kennedy, Fred William,	*Lawrence.*
Kimball, George Morrill, A.B. (*Yale Coll.*),	*Concord, N.H.*
Kimball, Samuel Ayer, A.B. (*Yale Coll.*),	*Bath, Me.*
Kimpton, Edwin Sewell,	*E. Somerville.*
Kinnier, Dennis Francis,	*Randolph.*
Lawler, Thomas Joseph,	*Boston.*
Lincoln, Arthur Talbot, S.B. (*Amherst Coll.*),	*Dennysville, Me.*
MacConnell, James William,	*Boston.*

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MacKenzie, Freeman Alexander,	*Boston.*
Martin, Francis Coffin, A.B.,	*Boston.*
Mason, Atherton Perry, A.B.,	*Fitchburg.*
McCarthy, Daniel George,	*Boston.*
McComsey, William Rex,	*Jamaica Plain.*
McLauthlin, Herbert Weston, A.B. (*Amherst Coll.*),	*Kingston.*
McOwen, William Henry,	*Lowell.*
Miller, George Norton, A.B.,	*New York, N.Y.*
Mitchell, John Singleton,	*Boston.*
Morrill, Fred Hiram,	*Nashua, N.H.*
Morris, John Gavin, A.B.,	*Boston.*
Morrison, William Frank,	*Bristol, R.I.*
Murphy, Joseph Briggs,	*Taunton.*
Newhall, Herbert William, A.B.,	*Lynn.*
Nickerson, Asa Harden,	*Providence, R.I.*
Norwood, Ephraim Wood, A.M. (*Colby Univ.*),	*Brimfield.*
Otis, Henry Sharwood,	*Exeter, N.H.*
Otterson, William David,	*Nashua, N.H.*
Perry, Frederick Gardiner, A.B.,	*Boston.*
Phelan, Thomas Francis, A.B. (*Holy Cross Coll.*),	*Worcester.*
Powers, Edward Everett,	*Florence, Italy.*
Richards, George Edward, A.B.,	*Cambridge.*
Richardson, Dana Putnam,	*Leominster.*
Ripley, Alfred Lawrence, A.B. (*Yale Coll.*),	*Andover.*
Ross, Charles Elliot Amsden,	*Waltham.*
Shea, Andrew Francis,	*Cambridge.*
Sinclair, Charles Frederic, D.B.,	*Boston.*
Smith, Asbury Gilbert,	*Stoneham.*
Smith, Willard Everett, A.B.,	*Newtonville.*
Soulé, Edward Lincoln,	*Boston.*
Sparhawk, Clement Willis,	*Cambridge.*
Stevens, William Caldwell, A.B. (*Amherst Coll.*),	*Worcester.*
Sullivan, James Francis,	*Lowell.*
Swan, Roscoe Wesley, S.B. (*Mass. Agr. Coll.*),	*Framingham.*
Sweeny, Henry Lee,	*Hanover.*
Thompson, George Eben, S.B. (*Dart. Coll.*),	*Dover, N.H.*
Tremaine, William Allen,	*Waterbury, Conn.*
Trumbull, John, A.B. (*Yale Coll.*),	*Valparaiso, Chili.*
Tuckerman, Frederick, S.B. (*Boston Univ.*),	*Boston.*
Walsh, Frank Winfield,	*Boston.*
Weil, Frank Edward,	*N. Andover.*
Welch, Stephen Albro, A.B. (*Brown Univ.*),	*Warren, R.I.*
Wells, James Lee, A.B. (*Brown Univ.*),	*Hopkinton, R.I.*

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Wetherell, Arthur Bryant,	*Southampton.*
White, Leonard Darling,	*Uxbridge.*
Whitridge, Roland Barker,	*Boston.*
Wilson, John Harpin,	*Dubuque, Iowa.*
Wolff, John Eliot, A.B.,	*Boston.*
Woodbury, George Franklin,	*Sutton.*
Wyman, Morrill,	*Cambridge.*

SUMMARY.

Graduates' Course	5
Fourth Class	2
Third Class	60
Second Class	79
First Class	105
Total	251

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THE MEDICAL SCHOOL.

REQUISITES FOR ADMISSION.

All candidates for admission, excepting those who have passed an examination for admission to Harvard College, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination, on the Monday preceding the last Wednesday in June or September, at 10 A.M., in the following subjects: —

1. LATIN. The translation of easy Latin. French or German will be accepted, however, as a substitute for Latin.

2. PHYSICS. Candidates will be required to show such a knowledge of this subject as may be obtained from Balfour Stewart's elementary works on Physics.

The examinations will be conducted in writing; and, in judging the work of the candidate, the spelling, grammar, and construction will be considered.

Graduates in medicine will not be required to pass this examination on joining the school.

No student becomes a member of the school until he has registered his name with the Secretary of the Faculty.

DIVISION OF STUDIES.

First year. — Anatomy, Physiology, and General Chemistry.*

Second year. — Medical Chemistry, Materia Medica, Pathological Anatomy, Clinical Medicine, and Clinical Surgery.

Third year. — Therapeutics, Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, and Clinical Surgery.

METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — Lectures; various practical exercises, including abundant dissection, under the direction of the Demonstrator; recitations from text-books; histology.

* Any student who shall have previously passed in the Undergraduate Department or Scientific School of Harvard University an examination in General Chemistry (including qualitative analysis) will be exempt from examination in this branch, and may pursue the study of Medical Chemistry during his first year. The latter privilege will be granted to students from other colleges and scientific schools who have received instruction in general chemistry equivalent in character and amount to that of the first year, on passing a satisfactory examination at the September examination, provided that satisfactory evidence of such previous study be sent to the Secretary of the Faculty one month before the date of this examination.

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Physiology. — Lectures, recitations, conferences, and practical demonstrations in the Laboratory. To students of the second and third classes, opportunities are given for original investigations in the Laboratory.

Chemistry is taught mainly by practical work in the Laboratory, the student having his own desk and apparatus. General Chemistry and qualitative analysis are taught during the first year. Besides the laboratory-work, there is a lecture and a recitation every week. In the second year, medical chemistry is taught by lectures and exercises in the laboratory.

Pathological Anatomy is taught by lectures, recitations, and practical instruction in pathological histology. The collection of the Warren Anatomical Museum is used to illustrate the lectures; and many morbid specimens are shown in a fresh state. Students also receive practical instruction in the method of making autopsies, and are admitted to those made at both hospitals. Special classes in pathological histology, including the diagnosis of tumors, are formed for those who are provided with a microscope. Such students are required to prepare the various objects. The school possesses a number of microscopes for the use of those students whose means will not permit the purchase of an instrument.

Materia Medica and Therapeutics. — Materia Medica is taught by lectures and practical demonstrations. Therapeutics, or the physiological action of drugs and their application to disease, is taught in the third year, by lectures, recitations, and hospital exercises.

The Theory and Practice of Medicine. — Lectures, recitations, and hospital visits.

Clinical Medicine. — Daily instruction is given in this department by hospital visits and other exercises. Students are furnished with cases for personal examination, and are called upon to report them before the class, where they are criticised. These examinations are held both in the wards and in the amphitheatre. Another exercise, known as the "Clinical Conference," affords an opportunity for more thorough preparation of cases, more time being allowed for their study. The full written report of a case is read by the student who has examined it. It is afterwards criticised by the class, by the Professor of Clinical Medicine, and other teachers in the school. In addition to this, a regular course of supplementary instruction is given in Auscultation and Percussion, and in Laryngoscopy, which affords students an abundant opportunity for acquiring a thoroughly practical knowledge of these methods of exploration.

Surgery. — Lectures and recitations. There are also courses on Surgical Anatomy, Minor Surgery, Surgical Histology, Bandaging, and Opera-

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tive Surgery. In the latter, students of the third class are supplied with material for repeating the usual surgical operations.

Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital, throughout the year, as follows: —

First Half-Year. — Clinical Lectures on cases, per week, 2; Surgical Visits in the hospital wards, per week, 2; public operating days, per week, 2. Total number of exercises per week, 7.

Second Half-Year. — Clinical Lectures on cases, per week, 1; Surgical Visits in the hospital wards, per week, 3; public operating days, per week, 3. Total number of exercises per week, 7.

The Professor of Clinical Surgery holds an exercise twice a week, in winter, at the City Hospital. On one day, a clinical lecture is given over surgical cases brought into the operating theatre, illustrated by explorations and operations. On the other day, a bedside clinic is held in the wards. A third exercise is held each week in winter, in the form of a surgical conference, at which third-year students make a full written report of a surgical case, which is then criticised by their fellow-students and by the Professor. Every candidate for a degree is required to report a clinical case in surgery.

Obstetrics. — Lectures and recitations. Students are instructed in the usual operations on the manikin, and will have opportunities to take charge of cases of obstetrics in their third year. A course of operative obstetrics, with practical illustrations on the cadaver, is given.

Diseases of Women and Children. — Lectures and Clinical Instruction.

Ophthalmology. — A complete course is delivered upon the diseases of the eye, including clinical instruction and the use of the ophthalmoscope.

Dermatology is taught by lectures and clinical illustrations. The special out-patient department at the Massachusetts General Hospital furnishes ample opportunities for illustration.

Syphilis. — Recitations and clinical instruction.

Otology. — Lectures and clinical instruction.

Laryngology. — Lectures and Demonstrations.

Diseases of the Nervous System. — Lectures and Demonstrations.

Hygiene. — Lectures.

Forensic Medicine. — Lectures.

TEXT-BOOKS.

The following works are recommended as text-books, and for collateral reading: —

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Text-Books.	*Collateral Reading.*

Anatomy.

Gray, Wilson, Leidy, Turner.	Quain (edition of 1876).
Hodges's Practical Dissections.	Holden's Osteology.
Holden's Manual.	Stricker's Manual of Histology.
Holden's Landmarks.	Frey's Histology.
	Frey's Microscopic Technology.
	Tyson's Cell Doctrine.

Physiology.

Dalton's Human Physiology.	Pavy on Food and Dietetics.
Foster's Text-book of Physiology.	Fick, Compendium der Physiologie.
Huxley's Elementary Lessons in Physiology.	Fick, Medicinische Physik.
	Sanderson's Hand-book for the Physiological Laboratory.
	Flint's Physiology of Man.
	Carpenter's Principles of Human Physiology.

General Chemistry.

Bloxam's Chemistry, Inorganic and Organic.	Miller's Elements of Chemistry.
Clowes's Elementary Treatise on Practical and Qualitative Inorganic Analysis.	

Medical Chemistry.

Neubauer and Vogel, Analysis of the Urine.	Ralfe, Outlines of Physiological Chemistry.
Tyson's Guide to the Practical Examination of the Urine.	Gorup-Besanez, Physiologische Chemie.
Reese's Manual of Toxicology.	Taylor on Poisons.
	Tardieu, Étude médico-légale et clinique sur l'Empoisonnement.

Materia Medica.

National Dispensatory, Stillé and Maisch.	United States Dispensatory.

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Pathological Anatomy.

Wagner's Manual of General Pathology.
Orth's Compend of Diagnosis in Pathological Anatomy.
Virchow's Cellular Pathology.
Rindfleisch's Pathological Histology.
Jones and Sieveking's Pathological Anatomy (Payne's edition).
Wilks's Pathological Anatomy (Moxon's edition).

Therapeutics.

H. C. Wood's Therapeutics.
Mann's Prescription Writing.
Chamber's Manual of Diet.
Stillé's Therapeutics and Materia Medica.
Bartholow's Materia Medica and Therapeutics.
Ringer's Therapeutics.

Obstetrics.

Playfair's System of Midwifery.
Schroeder's Manual of Midwifery.
Cazeaux's Midwifery.
Winckel's Diseases of Childbed.
Barker's Puerperal Diseases.
Barnes's Obstetric Operations.

Theory and Practice.

Flint's Practice of Medicine.
Roberts's Hand-book of Theory and Practice of Medicine.
Niemeyer's Text-book of Practical Medicine.
Jaccoud, Traité de Pathologie Interne.
Bennett's Clinical Lectures on the Principles and Practice of Medicine.
Bristowe's Theory and Practice of Medicine.
Flint's Clinical Medicine.

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Surgery.

Bryant's Practice of Surgery.
Billroth's Surgical Pathology.
Heath's Minor Surgery and Bandaging.
Guérin, Éléments de Chirurgie Opératoire.
Holme's System of Surgery.
Cooper's Surgical Dictionary (1872).
Holden's Landmarks, Medical and Surgical.
Braune's Atlas of Topographical Anatomy, translated by Bellamy.

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COURSES OF INSTRUCTION FOR 1879–80.

ANATOMY.

Descriptive Anatomy. *Four times a week till May.* PROFESSOR HOLMES.

Practical Anatomy, with Exercises in Dissection. *Ten times a week from November till May.* DR. BEACH.

Regional Anatomy. *Twice a week for three weeks.* PROFESSOR CHEEVER.

Laboratory Exercises in Histology. *Twice a week till May.* DR. DWIGHT.

PHYSIOLOGY.

Systematic and Experimental Physiology. *Four times a week.* PROFESSOR BOWDITCH.

Laboratory Exercises in Experimental Physiology. *Twice a week for five weeks.* DR. G. M. GARLAND.

CHEMISTRY.

General and Analytical Chemistry. *Twice a week, with an additional weekly exercise during the first ten weeks.* DR. HILLS.

Medical and Toxicological Chemistry. *Twice a week.* PROFESSOR WOOD. Practical Exercises in the Laboratory for General Chemistry. *Daily.* DR. HILLS.

Practical Exercises in the Laboratory for Medical Chemistry. *Daily.* PROFESSOR WOOD.

MATERIA MEDICA AND THERAPEUTICS.

Materia Medica, with Practical Demonstrations. *Once a week.* MR. MARKOE.

Therapeutics. *Three times a week.* PROFESSOR EDES.

PATHOLOGY AND PATHOLOGICAL ANATOMY.

General Pathology and Pathological Anatomy. *Twice a week.* PROFESSOR FITZ.

Special Pathological Anatomy, with Demonstrations. *Twice a week.* PROFESSOR FITZ.

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Laboratory Exercises in Pathological Histology. *Twice a week till April.* PROFESSOR FITZ and DR. CUTLER.

Practical Instruction in Performing Autopsies. *Throughout the year.* PROFESSOR FITZ and DR. CUTLER.

SURGERY.

Surgery and Clinical Surgery. *Twice a week till March.* PROFESSOR BIGELOW.

Clinical Surgery. *Twice a week till April.* PROFESSOR CHEEVER.

Clinical Surgery. *Once a week during the second half-year.* DR. PORTER.

Operative Surgery. *Fifteen practical exercises.* DR. PORTER.

Recitations in Surgical Pathology. *Once a week during the first half-year.* DR. WARREN.

Recitations in Surgery. *Once a week during the second half-year.* DR. WARREN.

Laboratory Exercises in Surgical Histology. *Twice a week after March.* DRS. WARREN and BIGELOW.

The Application of Bandages and Apparatus. *Once a week during the second half-year.* DR. WARREN.

Surgical visits are made at the Massachusetts General Hospital, by PROFESSOR BIGELOW and DRS. HODGES, PORTER, WARREN, and BEACH — At the City Hospital, by PROFESSOR CHEEVER and DRS. HOMANS, THORNDIKE, INGALLS, FIFIELD, and GAY. — The Surgical Cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

OPHTHALMOLOGY.

Diseases of the Eye. *Once a week.* PROFESSOR WILLIAMS.

Clinical Ophthalmology. *Once a week till January and after March.* PROFESSOR WILLIAMS.

DERMATOLOGY.

Diseases of the Skin. *Once a week.* PROFESSOR WHITE.

Clinical Dermatology. *Once a week.* PROFESSOR WHITE.

SYPHILIS.

Practical Diagnosis and Treatment of Syphilis. *Once a week during the first half-year.* DR. GREENOUGH.

Practical Diagnosis and Treatment of Syphilis. *Once a week during the second half-year.* DR. WIGGLESWORTH.

OTOLOGY.

Practical Diagnosis and Treatment of Diseases of the Ear. *Once a week from January till April.* DR. GREEN.

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Anatomy, Physiology, and Diseases of the Ear. *Twice a week for three months.* DR. BLAKE.

SPECIAL PATHOLOGY AND THERAPEUTICS.

Theory and Practice of Physic. *Five times a week.* PROFESSOR MINOT.

Clinical Medicine. *Three times a week, with an additional weekly exercise during the first half-year.* PROFESSOR ELLIS.

Practical Instruction in Auscultation and Percussion. *Six times a week during the first half-year.*

Practical Diagnosis and Treatment of Diseases of the Larynx. *Six times a week, first half-year.* DR. KNIGHT.

Diseases of Women. *Twice a week.* DR. BAKER.

Practical Diagnosis and Treatment of Diseases of Children. *Once a week, first half-year.* DR. OLIVER.

Practical Diagnosis and Treatment of Diseases of Children. *Once a week, second half-year.* DR. ROTCH.

Practical Diagnosis and Treatment of Diseases of the Nervous System. *Once a week till February.* DR. WEBBER.

Practical Diagnosis and Treatment of Diseases of the Nervous System. *Once a week.* DR. J. J. PUTNAM.

Mental Diseases. *Eight lectures.* DR. FOLSOM.

Hygiene. *Eight lectures.* DR. FOLSOM.

Forensic Medicine, with Demonstrations. *Twelve exercises.* DR. DRAPER.

Medical visits are made at the Massachusetts General Hospital, by PROFESSORS ELLIS and MINOT and by DRS. SHATTUCK, ABBOT, SHAW, and TARBELL. — At the City Hospital, by PROFESSOR EDES and DRS. BLAKE, LYMAN, STEDMAN, ARNOLD, CURTIS, DRAPER, DOE, and MASON. — At the Danvers Asylum for the Insane, by DR. MAY. — The Medical Cases at the Boston Dispensary are shown by the physicians in charge.

OBSTETRICS.

Theory and Practice of Obstetrics. *Twice a week.* PROFESSOR REYNOLDS.

Recitations in the Theory and Practice of Obstetrics. *Once a week.* DR. RICHARDSON.

Operative Obstetrics. *Twelve practical exercises.* DR. RICHARDSON.

Practical Instruction in Clinical Obstetrics. *Throughout the year.* DR. RICHARDSON.

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CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure those advantages for Clinical Instruction and for the study of Practical Anatomy which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital. — During the past year, 1,950 patients were treated in the wards, and 18,744 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students with the attending physicians and surgeons. The opportunities for becoming acquainted with general surgery are very great. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System.

The Hospital is adjacent to the Medical College, and its wards are open to the students on four days in the week.

The City Hospital. — During the past year, 4,631 cases were treated in its wards, and 10,419 in its various out-patient departments. The Medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. These include general surgical and also ophthalmic operations. Diseases of the eye, the ear, and the skin are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons twice a week.

In these two Hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week in the first half-year, and three times a week in the second half-year, operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Massachusetts Charitable Eye and Ear Infirmary. — The eight thousand patients annually treated at this institution present every variety of disease of the ear and eye, and supply a large number of operations.

The Marine Hospital at Chelsea receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries, and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

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The Boston Dispensary. — Thirty-nine thousand eight hundred and fifty-four patients were treated at this Public Charity, during the past year. Students have excellent opportunities to see minor surgery, and many of the diseases of children, and to practise auscultation.

Hospital Appointments. — Twenty or more students are selected annually for House Officers of the various Hospitals. Appointments to the Boston Lying-in Hospital are for a term of four months.

EXAMINATIONS.

The regular examinations are held in the following order: —

At the end of the first year: Anatomy, Physiology, and General Chemistry.*

At the end of the second year: Medical Chemistry, Materia Medica, and Pathological Anatomy.

At the end of the third year: Therapeutics, Obstetrics, Theory and Practice of Medicine, Clinical Medicine, Surgery, and Clinical Surgery.

The regular examinations are held at the end of each year in June; and a week before the opening of the School in September, on the studies of the preceding year.†

No student shall be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. No student shall be allowed to present himself for examination in any branch, without notifying the Dean, by letter, that he intends to do so, one month before the time when the examination is to be held.

The examinations are conducted mainly in writing. No student will receive his degree until he has passed a satisfactory examination in all the above-mentioned subjects, and presented a certificate from the Demonstrator of Anatomy that he has satisfactorily dissected the three parts of the body. Those who fail in any subject may present themselves in that subject again, at the next regular examination. The regular examinations for the year 1879–80 will begin June 14th and September 27th.

The following is the order of the examinations held in June: —

June 14th. Monday, Surgery and Clinical Surgery; Tuesday, Theory and Practice; Wednesday, Clinical Medicine; Thursday, Therapeutics; Friday, Obstetrics; Saturday, Pathological Anatomy; Monday, 21st, Medical Chemistry; Tuesday, Materia Medica; Wednesday, Anatomy; Thursday, General Chemistry; Saturday, Physiology.

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* See foot-note on page 11.

† The June examination is for those only who are members of the School at the time, and for those entitled to apply for the degree.

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The examinations for admission are held at the Medical School, in June and September, on the Monday preceding the last Wednesday in those months, at 10 A.M.

DIVISION OF STUDENTS.

Students are divided into three classes, according to their time of study and proficiency.

Students may be admitted to advanced standing in the regular course; but all who apply for admission into the second or third class must pass an examination at the beginning of the year in the branches already pursued by the class to which they seek admission, and furnish a satisfactory * certificate of time spent in medical studies. No student shall advance with his class, or be admitted to advanced standing, until he has passed the required examination in the studies of the previous year, or a majority of them; nor shall he become a member of the third class until he has passed all the examinations of the first, in addition to a majority of those of the second year.

Students who do not intend to offer themselves for a degree will, however, be received for any portion of the course.

Any student may obtain, without an examination, a certificate of his period of connection with the School.

REQUIREMENTS FOR A DEGREE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied medicine three full years; have spent at least one continuous year at this School; have presented a satisfactory thesis; and have passed the required examinations.

Theses of conspicuous merit are mentioned with honor, or read at the University Commencement.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other colleges who shall be recommended by the Faculty of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine.

LIBRARIES.

The library at the Medical College is open to the student, on the deposit of five dollars, to be refunded to him when he may desire, after returning all books.

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* Certificates from teachers who practise any peculiar or exclusive system of medicine are not accepted.

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The College Library at Cambridge is open to the students of the Medical School.

The Boston Public Library, which contains a large collection of medical books, may also be used by students recommended by the Dean.

BOYLSTON MEDICAL SOCIETY.

This Society, composed of medical students, meets at stated intervals, for the discussion of medical topics, and is presided over by a physician selected by the members. Prizes, in money or books, are awarded annually to the writers of essays judged worthy of such distinction by a committee of physicians selected for that purpose by the Society.

FEES AND EXPENSES.

For matriculation, five dollars; for a year, two hundred dollars, (if in two payments, at the first, one hundred and twenty dollars; at the second eighty dollars); for a half-year alone, one hundred and twenty dollars; for graduation, thirty dollars. Of students who do not pay in advance, a bond for $300, executed by two sufficient bondsmen, one of whom must be a citizen of Massachusetts, is required. A copy of such bond will be sent, on application, to the Secretary of the Faculty. To students depositing these bonds, term-bills will be presented at the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students shall be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have subsequently received their bond from the Treasurer. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor of the Medical College will always have a list of boarding-houses in the vicinity of the College building, varying in their rates of charges from five to ten dollars a week.

PECUNIARY AID.

Four yearly scholarships have been established, of the value of $200 each, open to meritorious students who have been at the School for one or two years. Only those needing assistance are expected to apply; and from such those holding the highest rank will have the preference.

Two assistants in the Chemical Laboratory are appointed annually from such deserving students as need aid. Students holding this position are exempt from the payment of the fee for tuition during their term of service.

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COURSE OF STUDY FOR GRADUATES.

For the purpose of affording to those who are already graduates in medicine additional facilities for pursuing clinical, laboratory, and other studies, for which they had not previously found leisure, in such subjects as may specially interest them, and as a substitute in part for the opportunities heretofore sought for in Europe, the Faculty have established a post-graduate course, of which the following is a programme. The fee in each branch is for a single half-year.

Histology. — The various methods of examining the different tissues are employed, and opportunities for original research are offered. Fee, twenty dollars.

Physiology. — Opportunities for original investigation in the Physiological Laboratory. Fee, thirty dollars.

Medical Chemistry. — Practical instruction in the Chemical Laboratory, in the analysis of the urine and other animal fluids in health and disease, and of poisons; examination of blood-stains and other objects connected with medico-legal investigations, with the application of the microscope to these processes. General analysis, also, if desired. Laboratory-fee, thirty dollars.

Pathological Anatomy. — Practical instruction in Pathological Histology and the examination of specimens in the Microscopical Laboratory; and opportunity for witnessing and making autopsies. Fee, twenty dollars.

Surgery — A practical course of operative surgery, and instruction in the application of bandages and apparatus. Fee, twenty-five dollars.

Laryngology is practically taught, and diseases of the larynx demonstrated by the aid of the oxyhydrogen light. Fee, twenty dollars.

Ophthalmology. — Clinical instruction, lectures on diseases of the eye, and demonstrations of the methods of performing operations. Exercises in the use of the ophthalmoscope. Fee, twenty-five dollars.

Otology. — Lectures and clinical instruction on diseases of the ear. Fee, fifteen dollars.

Dermatology. — Clinical instruction in diseases of the skin, illustrated by patients in this department of the Massachusetts General Hospital. Lectures. Fee, twenty-five dollars.

Syphilis. — Clinical instruction at the Boston Dispensary, and at the City Hospital (second half-year). Fee, fifteen dollars.

Diseases of the Nervous System. — Practical illustrations of the application of various forms of electricity. Lectures. Fee, fifteen dollars.

Gynaecology. — Clinical instruction in diseases of women. Fee, ten dollars.

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Obstetrics. — Cases supplied. A course of operative obstetrics. Fee, twenty dollars.

Those pursuing this course may elect the studies to which they will give their attention, and allot the time they will devote to each. They will be exempt, unless at their option, from examinations, and may obtain a certificate of attendance on this course of advanced study. On payment of the full fee for the course, they will have the privilege of attending any of the other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

Graduates of other medical schools may obtain the degree of M.D. at this University, after a year's study in the graduates' course. The required examinations may be passed in such order as is desired, but only at the stated seasons.

The fee for a year is	$200
" for a half-year	120

For any of the special courses, such fees as are above specified.

For further information or catalogues, address Dr. R. H. Fitz, *Secretary*, 18 Arlington Street, Boston, Mass.

☞ The Medical College is on North Grove Street, Boston.

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THE DENTAL SCHOOL.

BOSTON.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
THOMAS H. CHANDLER, D.M.D., *Dean and Professor of Mechanical Dentistry..*
OLIVER W. HOLMES, M.D., *Professor of Anatomy.*
HENRY J. BIGELOW, M.D., *Professor of Surgery.*
——— ———, *Professor of Dental Pathology and Therapeutics.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
LUTHER D. SHEPARD, D.M.D., *Professor of Operative Dentistry.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
H. H. A. BEACH, M.D., *Demonstrator of Practical Anatomy.*
CHARLES A. BRACKETT, D.M.D., *Instructor in Dental Therapeutics.*

OTHER INSTRUCTORS.

ARTHUR TRACY CABOT, M.D., *Instructor in Oral Pathology and Surgery.*
SAMUEL FRANKLIN HAM, D.M.D., *Instructor in Operative Dentistry.*
JOHN THOMAS CODMAN, D.M.D., *Instructor in Operative Dentistry.*
TIMOTHY OTIS LOVELAND, D.M.D., *Instructor in Operative Dentistry.*
CHARLES WILSON, D.M.D., *Instructor in Operative Dentistry.*
ALBERT BENTON JEWELL, D.M.D., *Instructor in Operative Dentistry.*
EDWIN PERLEY BRADBURY, D.M.D., *Instructor in Operative Dentistry.*
GEORGE FRANKLIN GRANT, D.M.D., *Demonstrator of Mechanical Dentistry.*
HENRY FRANCIS DUNKEL, D.M.D., *Demonstrator of Operative Dentistry.*

STUDENTS.

Third Year.

Ayer, Frederic Eugene,	*Lawrence.*
Colgan, Albert James,	*Boston.*

Second Year.

Browne, Frank Fairbanks,	*Dedham.*
Mason, John Scott,	*Saco.*
Reilly, James Alfred,	*Lowell.*

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First Year.

Chandler, Frederick Emerson,	*Boston.*
Cogswell, Alfred Robie,	*Dartmouth, N.S.*
Cooke, William Parker,	*Milford.*
Dennett, George Alfred,	*Malden.*
Johnson, Newell David,	*Waltham.*
Marvel, John Francis,	*Rehoboth.*
Mills, Charles Fisher,	*Brooklyn, N.Y.*
Reade, Vincent de Paul,	*Boston.*
Simsen, James Kerr,	*Boston.*
Smith, Otis Franklin,	*Cambridgeport.*

The Dental Department of the University is established in BOSTON, in order to secure in connection with the Medical Department those advantages for Clinical Instruction which are found only in large cities.

Instruction in this school is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. There is a recess beginning December 23d, and ending January 2d; and a spring recess, beginning on the Wednesday before Fast Day, and ending on the following Tuesday. The course of instruction is progressive, and extends over two years, the teaching of one year not being repeated in the next.

The first year is identical with that of the Harvard Medical School, the student receiving the same instruction by the same Professors at the same time and place with the medical students and at the end of the year passing the same examinations.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and for this purpose, a well-appointed laboratory and infirmary are provided, and such arrangements made as insure an ample supply of patients. Clinical Instruction is given by the professors; and, under the direction of demonstrators, patients are assigned to the students, insuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

The Infirmary, which is a department of the Massachusetts General Hospital, remains open, and one of the Clinical Instructors and the Demonstrator are in attendance, daily, throughout the academic year, offering to students unsurpassed facilities for acquiring practical knowledge and manipulative dexterity. Eight thousand operations on the average are performed every year.

Students have access to the hospitals of the city; to the dissecting-room, library, and museum of the Medical College; and also, *without additional charge, to the instruction given in any other department of the University, with the exception of exercises carried on in the special laboratories.*

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COURSE OF INSTRUCTION.

The following are the methods of study adopted in the various departments: —

Anatomy. — Lectures, largely illustrated by the anatomical preparations and models of the Warren Museum, and by an extensive series of colored drawings and diagrams; various practical exercises, including abundant dissection under the direction of the Demonstrator; recitations from text-books; histology.

Physiology. — Lectures, recitations, and practical demonstrations in the laboratory. A new physiological laboratory has been fitted up, which is under the supervision of an able teacher, who devotes his whole time to this department.

Chemistry is taught mainly by practical work in the laboratory, the student having his own desk and apparatus. General chemistry and qualitative analysis are taught during the first year. Beside the laboratory work, there is a lecture and recitation every week.

Surgery. — Lectures and recitations in oral surgery illustrated by colored drawings and by recent and morbid specimens. All approved instruments and apparatus are exhibited and explained. Operations are performed on the living subject at the hospitals, and upon the dead body. Instruction is given in the use of anaesthetics.

Instruction in clinical surgery is given at the Massachusetts General Hospital and City Hospital every week.

Surgical Pathology. — Lectures and recitations embracing the subjects of shock, inflammation, repair, suppuration, ulceration, mortification, embolism, pyaemia, erysipelas, and tetanus.

Operative Dentistry. — The instruction in this department is both didactic and practical. The professor and assistants endeavor to demonstrate all known methods of performing operations upon the teeth and other tissues involved.

The treatment of irregularities, origin and treatment of decay, materials used for filling teeth, the most improved instruments used in operating, &c., are appropriately discussed. Clinics are held at the Infirmary, and every available means used to make the student practically acquainted with all the modern improvements of this important branch of dental science.

Oral Pathology and Surgery. — Lectures and recitations upon the anatomy and surgical pathology of the tissues in and about the mouth. Material furnished for the examination of the tissues in a healthy and diseased condition, with instruction in its preparation.

Dental Therapeutics. — The instruction from this chair embraces the application of the general principles of medicine to the specialty of den-

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tistry, with a consideration of sensitive dentine, caries, pulpitis, periodontitis, alveolar abscess, gingivitis, necrosis, and other diseased conditions of the dental and contiguous tissues, with reference to their treatment and the therapeutical agents used therefor.

Mechanical Dentistry. — Lectures and practical work in the laboratory; the manner in which mineral teeth are constructed, the principles and method of carving and furnace-work, and all compounds used for artificial teeth; also, metallurgy, and the manner in which gold and silver plates are prepared and adapted to the mouth; the use of rubber and other articles as bases. It is the aim to teach not only the mere mechanical processes of dentistry, but that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, where they have been lost or impaired by accident or disease.

EXAMINATIONS.

The examinations will be held in the following order, viz.: —

At the end of the first year in the studies of that year, anatomy, including dissection, physiology, and general chemistry. A certificate from the demonstrator of anatomy will be required of each student that he has satisfactorily dissected the three parts of the body.

At the end of the second year in the studies of that year, viz., oral pathology, including a knowledge of gestation and diseases of women, so far as they affect the mouth and throat, dental materia medica and therapeutics, oral surgery and surgical pathology, operative and mechanical dentistry. The examinations in operative and mechanical dentistry will include actual operations performed during the year, and the preparation of specimens of mechanical dentistry.

REQUISITIONS FOR THE DEGREE.

The degree of Doctor of Dental Medicine (*Dentariae Medicinae Doctor*) may be conferred upon each candidate of adult age, and of good moral character; who must give evidence of having studied medicine or dentistry three full years, at least one continuous year of which must have been spent at this School. He must also have presented a satisfactory thesis, passed *all the required examinations*, and convinced the Professors of Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his art.

He must also deposit with the Dean, to be placed in the Museum of the College, a specimen of mechanical dentistry, or of practical or pathological anatomy, prepared during the course under the eye of the instructor.

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Students may be admitted to advanced standing upon passing a satisfactory examination in a majority of the studies already pursued by the class; but no student shall advance with his class, or be admitted to advanced standing, until he has passed such examination, neither does admission to advanced standing diminish the time (three years) to be spent in professional studies.

The regular examinations are held at the end of each year in June; and for advanced standing, on the studies of the preceding year, a week before the opening of the School in September.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. Students intending to present themselves for examination must notify the Dean by letter of such intention, two weeks before the time when the examination is to be held.

The examinations are conducted in writing. No student will receive his degree until he has passed a satisfactory examination in all the above-mentioned subjects, and presented a certificate from the Demonstrator of Anatomy that he has satisfactorily dissected the three parts of the body. Those who fail in any subject may present themselves in that subject again at the next regular examination. The regular examinations for the year 1879–80 will begin June 14 and September 27.

The work in the operative and mechanical infirmaries will go on throughout the course; but no student will be permitted to operate at the chair until he has by observation and practice on extracted teeth satisfied the professor of his fitness.

The Faculty recommend young men who propose to take the degree to spend the whole of the required term of three years of study in the School. But those who wish to spend but two of the three years in the School are earnestly advised to pass their first year of study, before entering, under the direction of a *competent* private instructor.

LIBRARIES.

The Library at the Medical College is open to the student on the deposit of five dollars, to be refunded to him upon returning all books.

The College Library, at Cambridge, is open to students.

The Boston Public Library is also open to all students.

FEES.

There are no fees for matriculation, for the diploma, nor for the demonstrators. For the first year a student is a member of the School, the fee shall be $200, in two payments of $120 and $80, at the beginning of each term; for the second year, $150, in two payments of $100 and

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$50, payable at the beginning of each term; for any subsequent year $50, payable at the beginning of the year.

Of students *who do not pay in advance*, a bond for $300 executed by two sufficient bondsmen, one of whom must be a citizen of Massachusetts, is required. A copy of such bond will be sent, on application to the Dean of the Faculty. To students depositing these bonds, term-bills will be presented a week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students shall be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have received their bond from the Treasurer. *No degree can be conferred till all dues to the School are discharged.*

The student's expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor will advise students in the selection of boarding places, and will always have a list of such as are in the vicinity of the college buildings, varying in their rates of charges.

Students, on joining the School, must enter their names with the Dean of the Faculty.

TEXT-BOOKS.

Gray's or Quain's Anatomy.
Holden's Osteology.
Dalton's Physiology (6th edition).
Bloxam's Chemistry, Organic and Inorganic.
Clowes's Qualitative Analysis.
Bryant's Surgery.
Billroth's Surgical Pathology.
Taft's Operative Dentistry.
Richardson's Mechanical Dentistry.
Harris's Principles and Practice.
Wedl's Pathology of the Teeth.
Tomes's Dental Surgery.
Garretson's Oral Surgery.
Dunglison's Medical Dictionary.
Carpenter's Principles of Human Physiology.

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DAILY ORDER OF EXERCISES — First Class, First Half Year, 1879–80.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories
10	Laboratories	Chemistry, L. or R. 1st 10 wk's.	Laboratories	Laboratories	Chem. R.	Phys. R.
11	Physiology, L.	Physiology, L.	Chemistry, L.	Laboratories	Physiology, L.	Operations. M. G. H.
12	Laboratories or Histology.	Laboratories	Laboratories	Laboratories or Histology.	Laboratories	Museum.
1	Anatomy, L.	Anatomy, L.		Anatomy, L.	Anatomy, R.	
5	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	

The Assistant Demonstrator will be in the dissecting-room every day at 10 A.M., when not engaged with the Professor of Anatomy.
Chemistry daily in Chemical Laboratory.

DAILY ORDER OF EXERCISES — Second Class, First Half Year, 1879–80.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	M. Dent. L.	Oral Path. L.	Laboratories	Op. Dent. L.*	Laboratories	Laboratories
10	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	
10½				Every other week Dent. Ther.		
11	Laboratories	Laboratories	Surg. Path. L. till Dec. 1, or Surg. L.		Operations. B. C. Hosp.	Operations. M. G. H.
12	Laboratories	Surg. Path. L. till Dec. 1.	Laboratories	Laboratories	Laboratories	
1						
2	Infirmary. Dr. Loveland	Dr. Jewell. Infirmary. Dr. Ham.	Infirmary. Dr. Codman.	Infirmary. Dr. Bradb'y.	Infirmary. Dr. Wilson.	

The Demonstrator will be present in the Laboratory every forenoon, and in the Infirmary every afternoon.
* And at other times, of which due notice will be given.

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THE BUSSEY INSTITUTION,

JAMAICA PLAIN.

A SCHOOL OF AGRICULTURE AND HORTICULTURE.

INSTRUCTORS.

THOMAS MOTLEY, A.M., *Instructor in Farming.*
DANIEL D. SLADE, M.D., *Professor of Applied Zoölogy.*
FRANCIS H. STORER, A.M., *Dean, and Professor of Agricultural Chemistry.*
CHARLES E. FAXON, S.B., *Instructor in Botany.*
BENJAMIN M. WATSON, JR., A.B., *Instructor in Horticulture.*
EDWARD BURGESS, A.B., *Instructor in Entomology.*
LESTER S. FORD, B.A.S., *Demonstrator in Zoölogy.*

STUDENTS.

NAME.	RESIDENCE.	ROOM.
Borland, John Nelson,	*New London, Conn.,*	Boston.
Cheever, Clarence Alonzo,	*Wrentham,*	Jamaica Plain.
Copeland, Caleb Gardner,	*North Easton,*	South Boston.
Davis, Charles Hobart,	*Somerville,*	Somerville.
Jackson, Robert Tracy,	*Boston,*	Boston.
Ruddick, William Henderson, M.D.,	*S. Boston,*	S. Boston.
Taylor, John Henry,	*Bay Side, L.I.,*	Jamaica Plain.

The School of Agriculture and Horticulture, established in execution of the Trusts created by the will of Benjamin Bussey, gives systematic instruction in Agriculture, Useful and Ornamental Gardening, and Stock Raising. It is intended for the following classes of persons: —

1. Young men who intend to become practical farmers, gardeners, florists, or landscape gardeners.

2. Young men who will naturally be called upon to manage large estates, or who wish to qualify themselves to be stewards or overseers of gentlemen's estates.

3. Persons who wish to study some special branch of agriculture, horticulture, botany, or applied zoölogy.

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The Bussey Institution is situated near the village of Jamaica Plain, about five miles south-west of the centre of Boston, and close to the Forest Hills station, on the Boston and Providence Railroad. Students may live either in the immediate vicinity of the School, or in Boston proper, or in some one of the neighboring villages upon the line of the railroad.

The academic year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June, with a recess from December 23d to January 2d, inclusive, and a spring recess from the Wednesday before Fast Day to the following Tuesday, inclusive.

INSTRUCTION.

Theory of Farming . . . . . MR. MOTLEY.

Selection of farms for special purposes. Division into fields for different crops. How manures and composts are prepared and kept. Seeding for hay, grain, and root crops. Selection of cows and other stock for farm purposes, with general directions for breeding the same. Farm accounts.

Agricultural Chemistry . . . . . PROFESSOR STORER.

Soil, air, and water in their relations to the plant. The food of plants; —manures, general and special. Chemical principles of tillage, irrigation, systems of rotation, and of special crops and farms. The food of animals; simple and mixed rations. Discussion of the values of different kinds of fodders, of the means of determining fodder values, and of the methods of using fodders to the best advantage.

Applied Zoölogy . . . . . PROFESSOR SLADE.

Zoölogy of Agriculture. The anatomy and physiology of domestic animals. Their diseases and the curative treatment. Their general management in health and in disease. The lectures and recitations are elucidated by recent dissections, and by the exhibition of pathological specimens. Opportunities are also offered for practical dissection.

Horticulture . . . . . MR. WATSON.

Preparation of soils for horticultural and floricultural purposes. Management of plants, including methods of propagation. Horticultural implements. Methods of obtaining new varieties of vegetables, fruits, and flowers. Arrangement and care of flower- and kitchen-gardens, nurseries, and orchards. The construction and care of hotbeds and greenhouses. Principles of landscape gardening. Practical greenhouse work by the student supplements the lectures.

Students interested in tree culture have the opportunity of seeing the

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raising of trees in great variety for the Arnold Arboretum, in the greenhouses and upon the grounds adjacent to the School.

Botany . . . . . MR. FAXON.

I. Outlines of Structural Botany, and the rudiments of Vegetable Anatomy and Physiology. II. Systematic Botany: General Classification of Plants, with particular study of the more important Natural Orders of Phaenogams. Practice in analysis, and field study of the local flora.

Entomology . . . . . MR. BURGESS.

Anatomy, Physiology, and Development of Insects; their classification, habits, and economy, with means for checking the ravages of injurious species. Collection and preservation of specimens.

Quantitative Chemical Analysis (for advanced stud'ts), PROFESSOR STORER.

Laboratory practice. Methods of analyzing rocks, manures, plants, milk, etc., and of investigating problems in agricultural chemistry. [This course is intended for students who have already received instruction in general chemistry and have had laboratory practice in qualitative analysis. Students who lack this preliminary training may prepare themselves for Professor Storer's course by attending the laboratory instruction in General Chemistry and Qualitative Analysis, given at the Medical School in North Grove St., Boston, which is open to students of the Bussey Institution on payment of a fee of $15.]

Instruction is given by lectures and recitations, and by practical exercises in the laboratories, greenhouses, and fields; every student being taught to make experiments, study specimens, and observe for himself. The aim of the teachers is to give the student a just idea of the principles upon which the arts of agriculture and horticulture depend; to teach him how to make intelligent use of the scientific literature which relates to these arts; and to enable him to put a proper estimate upon those kinds of evidence which are obtained by experiments and by the observation of natural objects. Examinations are held statedly to test the student's proficiency.

The courses above described are given in one year, so that they may be profitably pursued by young men of ability and judgment who cannot afford to spare much time for advanced study. In addition to these courses given at Jamaica Plain, students of the Bussey Institution, in regular standing, may freely attend any of the courses of instruction (about two hundred in number) in the other departments of the University.

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REQUISITIONS FOR ADMISSION AND GRADUATION.

Candidates for admission must be at least seventeen years of age, and must present testimonials of good moral character. No formal examination will be required of them; but each student must satisfy the instructors of his ability and of his intention to profit by the teachings of the School. Young men who may feel unprepared to pursue the foregoing courses of instruction can pass one year at the Lawrence Scientific School, in Cambridge, which provides elementary courses of instruction in Chemistry, Physics, Biology, Physical Geography, Geology, Meteorology, Drawing, French, and German.

Candidates for the degree of Bachelor of Agricultural, Horticultural, or Veterinary Science must take this preliminary course of one year at the Lawrence Scientific School, or prove by examinations that they possess an equivalent amount of knowledge. They must, furthermore, on completion of the stated courses above described, devote a year to advanced study at the Bussey Institution, and to practical research in Agriculture or Horticulture, or in Botany, Anatomy, or Chemistry as applied to those arts, and must satisfy the instructors, by passing examinations, that they have acquired a thorough knowledge of the subjects taught at the School.

Candidates for a degree are expected to pursue with equal diligence all the subjects above described, but the advanced studies of the final year may be varied, at the discretion of the instructors, in accordance with the student's aims and purposes. Instead of Quantitative Analysis, any other advanced elective course may be substituted. Among the numerous courses of this character open to students of the Bussey Institution, though given in other departments of the University, those upon Advanced Botany (both phaenogamic and cryptogamic), Geology, Zoölogy, and Physics, upon Physiology, Pathology, Political Economy, and Surveying are particularly suitable for agricultural students.

Students who are not candidates for a degree may, upon producing certificates of good moral character, join the School at any time, without examination, to pursue any special course or courses of instruction which they are qualified to pursue with advantage.

LIBRARIES.

Students may freely use the special Agricultural Library at the Bussey Institution; the College Library at Cambridge, from which books are brought regularly to the Bussey Institution by express; and the Boston Public Library, which has a branch and office for the delivery of books in Jamaica Plain not far from the Bussey Institution.

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BOND OR DEPOSIT.

Every student, when admitted, must give a bond in the sum of $200 to pay all charges accruing under the laws and customs of the University. The bond must be executed by two bondsmen, who must be satisfactory to the Treasurer (office No. 70 Water St., Boston), and one of whom must be a citizen of Massachusetts. Instead of filing a bond a student may pay his tuition fee for the year in advance and deposit such a sum of money, not exceeding $50, as may be deemed sufficient to secure the payment of other school dues. Special students will pay the tuition fees in advance at the Treasurer's office, or to Professor F. H. Storer, Dean, at the Bussey Institution.

FEES AND EXPENSES.

The regular fee for the academic year is $150; for half or any less fraction of a year, $75; for any fraction of a year greater than one-half, the fee for the whole year will be charged. The regular fee will be charged also to those special students who devote themselves to continuous laboratory work in a single department of the School. For any one of the special courses above enumerated under the heading "Instruction" the fee is $40 for the year, excepting for Entomology, which is given during the last half of the year at $20.

The tuition fees will be freely remitted to poor and meritorious students.

The other expenses of a student for an academic year, not including clothing, may be estimated as follows:—

Room	$40.00 to $100.00
Board for 38 weeks	133.00 to 200.00
Text Books and Instruments	15.00 to 20.00
Fuel and Lights	15.00 to 25.00
Washing	15.00 to 25.00
	$218.00 to $370.00

For further information, address Professor F. H. Storer, Jamaica Plain, Mass.

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GRADUATE DEPARTMENT.

COURSES OF INSTRUCTION FOR BACHELORS OF ARTS AND OF SCIENCE.

The following courses of study have been arranged with special reference to Graduates. Besides these, all the elective courses offered to Undergraduates are open to Graduates. No Undergraduate is allowed to take any Graduate course, except by vote of the Faculty, on the recommendation of the Instructors in the department of study to which the course belongs.

Any Graduate course which is taken by less than three students may be withdrawn at the option of the Instructor.

HEBREW.

1. Lectures on the Hebrew Language and Literature. *Once a week.* PROFESSOR YOUNG.

SANSKRIT.

2. Selections from Sanskrit Literature, with Comparative Grammar of Sanskrit, Greek, and Latin. *Three times a week.* ASSISTANT PROFESSOR GREENOUGH.

CLASSICAL PHILOLOGY.

3. The Legal Antiquities of Athens, illustrated by the Orators and Grammarians. *Once a week.* PROFESSOR GOODWIN.

4. Ecclesiastical Greek (Justin and Hippolytus). — Lectures on the Early Christian Sects. *Twice a week.* PROFESSOR SOPHOCLES.

5. Pindar. *Twice a week.* PROFESSOR SOPHOCLES.

6. Greek Etymology (Lectures and Theses). *Twice a week.* ASSISTANT PROFESSOR J. W. WHITE.

7. Virgil (Georgics). *Twice a week (first half-year).* ASSISTANT PROFESSOR SMITH.

8. Cicero, De Oratore and one Oration. *Twice a week (second half year).* ASSISTANT PROFESSOR GREENOUGH.

9. Latin Inscriptions, Orthography, and Pronunciation. Allen's Early Latin Remnants. *Once a week.* PROFESSOR LANE.

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MODERN LANGUAGES.

10. Anglo-Saxon. — Beówulf. *Once a week.* PROFESSOR CHILD.

11. Introduction to Germanic Philology. — Gothic and Old High German. *Twice a week.* MR. SHELDON.

12. Middle High German. — Das Nibelungenlied. *Once a week.* ASSISTANT PROFESSOR BARTLETT.

13. Fichte's Wesen des Gelehrten. — Schelling, Selections from the 5th, 6th, and 7th vols. of his Complete Works. — Hegel's or Jean Paul's Aesthetik. *Once a week.* PROFESSOR HEDGE.

14. The Interpretation of the Divina Commedia, chiefly by means of Dante's Prose Works and the Commentators of the Fourteenth Century. *Once a week (two hours).* PROFESSOR NORTON.

15. Grammaire historique et Histoire de la Langue française. *Once a week.* PROFESSOR BÔCHER.

This course will be given in French.

PHILOSOPHY.

16. Logic. — Jevons's Principles of Science. — Venn's Logic of Chance. *Twice a week.* PROFESSOR PEABODY.

17. PROFESSOR BOWEN will meet Graduate students in Philosophy *twice a week,* in order to give directions or lectures upon the proper method of studying the History of Philosophy, and upon the aids that can be obtained for such study.

18. Principles and Method of Philosophy. — Everett's Science of Thought. *Once a week.* PROFESSOR EVERETT.

19. Physiological Psychology. *Twice a week.* ASSISTANT PROFESSOR JAMES.

POLITICAL ECONOMY.

20. Methods of Taxation, and Economic Effects of Different Systems of Landholding. *Once a week.* PROFESSOR DUNBAR.

HISTORY.

21. Practice in the Study and Use of Historical Sources. Subject for 1879–80: The Reign of Charlemagne. *Once a week (two hours).* DR. EMERTON.

22. History of Modern Treaties; Elements of Public International Law. *Three times a week.* PROFESSOR TORREY.

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ROMAN LAW.

23. Select Titles from the Digest. *Once a week.* PROFESSOR GURNEY.

MUSIC.

24. Canon and Fugue. *Twice a week.* PROFESSOR PAINE.

25. Free Thematic Music. — Forms of Modern Instrumental Music. *Twice a week.* PROFESSOR PAINE.

MATHEMATICS.

26. Higher Plane Curves. *Twice a week.* PROFESSOR J. M. PEIRCE.

27. The Theory of Probabilities. *Twice a week.* PROFESSOR B. PEIRCE.

PHYSICS.

28. Practical Astronomy (with permission to make use, under suitable restrictions, of the instruments of the Observatory). — Determination of time. — Use of the transit and sextant. — Determination of latitude by the zenith telescope and equivalent instruments Telegraphic determination of longitudes. *Two hours a week.* MR. WILLSON.

The regularity of the exercises in No. 28 will be somewhat dependent on the weather.

29. Experimental Physics, with laboratory work, for advanced students. *Three times a week.* ASSISTANT PROFESSOR TROWBRIDGE.

30. Mathematical Physics (Maxwell's Electricity and Magnetism). *Three times a week.* ASSISTANT PROFESSOR TROWBRIDGE.

CHEMISTRY.

31. Agricultural Chemistry. At the Bussey Institution. *Twice a week.* PROFESSOR STORER.

32. Advanced Organic Chemistry. *Three times a week.* ASSISTANT PROFESSOR H. B. HILL.

33. At the Laboratories of Boylston Hall, advanced students in Chemistry will be directed by the Professors in whatever special studies or investigations they may desire to undertake.

NATURAL HISTORY.

34. General Entomology (with laboratory work). *Twice a week.* PROFESSOR HAGEN.

35. Advanced Morphology and Histology of Phanerogams. *Three times a week.* PROFESSOR GOODALE.

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36. Experimental Vegetable Physiology. *Three times a week.* PROFESSOR GOODALE.

37. Anatomy and Development of Higher Cryptogams. *Twice or three times a week (first half-year).* PROFESSOR FARLOW.

38. Anatomy and Development of Fungi and Algae. *Twice or three times a week (second half-year).* PROFESSOR FARLOW.

39. Applied Zoölogy (Domestic Animals). At the Bussey Institution. *Twice a week.* PROFESSOR SLADE.

[A complete course of instruction in Geology and Palaeontology is given by the Professors and Instructors in that department, at the Museum of Comparative Zoölogy, the special subjects being varied from year to year. The courses for 1879–80 will be as follows.]

40. Palaeontology (with laboratory work). *Twice a week.* PROFESSOR SHALER.

41. Historical Geology (with laboratory work). *Twice a week.* PROFESSOR SHALER.

42. Geological Field-Work; for training in the principles of Geological Surveying, with work in the field and in the preparation of reports. PROFESSOR SHALER and MR. DAVIS.

43. History of Geological Opinions. *Once a week.* PROFESSOR SHALER.

44. Dynamical Geology. *Twice a week.* PROFESSOR WHITNEY.

45. Economical Geology. *Twice a week.* PROFESSOR WHITNEY.

Courses 44 and 45 are for advanced students, who intend to make a special study of Geology. In Course 45, a good knowledge of Mineralogy will be required. Instruction in Lithology will be provided at the Museum for students in the advanced courses in Geology who may desire it.

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CANDIDATES FOR THE DEGREE OF A.M.

Allen, William Ethan, A.B., 1878,	86 Charles St., Boston.
Almy, Francis, A.B., 1879,	G. 3.
Andrews, Clement Walker, A.B., 1879,	H. 25.
Apthorp, Harrison Otis, A.B., 1879,	17 Putnam Ave.
Avann, Robert S, A.B., 1877,	C. 56.
Baily, Henry, A.B., 1879,	16 Trowbridge St.
Bigelow, Frank Hagar, A.B., 1878,	Episc. Theol. School.
Cary, Walter, A.B., 1879,	H'y. 8.
Clary, Stedman Willard, A.B., 1877,	C. 17.
Gage, James Arthur, A.B., 1879,	410 Harvard St.
Gilman, James Ward, A.B., 1877,	Episc. Theol. School.
Harding, Benjamin Fosdick, A.B., 1879,	Southborough.
Houghton, Edward Lovell, A.B., 1879,	D. 3.
Marston, William Staples, A.B., 1874, C.E., 1877,	M. 47.
Patton, Jacob Cansler, A.B., 1877,	M. 52.
Rand, Benjamin, A.B., 1879,	16 Dunster St.
Richardson, Maurice Howe, A.B., 1878, M.D., 1877,	66 Beacon St., Boston.
Schofield, William, A.B., 1879,	C. 50.
Stone, Charles Wellington, A.B., 1874,	25 Wendell St.
Swayze, Francis Joseph, A.B., 1879,	C. 50.

CANDIDATES FOR THE DEGREE OF Ph.D.

Abbot, Francis Ellingwood, A.B., 1859,	*Philosophy*,	Lake View Ave.
Bennett, William Zebina, A.B., 1878,	*Physics*,	C. 34.
Benton, Charles William, A.B. (*Yale Coll.*), 1874,	*Philology*,	21 Mellen St.
Channing, Edward Perkins, A.B., 1878,	*History*,	S. 1.
Choate, Isaac Bassett, A.B. (*Bowdoin Coll.*), 1862,	*Philology*,	13 Avon St.
Dalzell, John Whitney, A.B., 1879,	*Philology*,	M. 27.
Hale, Edward, A.B., 1879,	*Philology*,	T. 38.
Lawton, William Cranston, A.B., 1873,	*Philology*,	Felton Building, 20.
Lord, Edwin Howard, A.B. (*Bowdoin Coll.*), 1871,	*Physics*,	Lowell.
Lutz, Frederick, A.B., 1878,	*Philology*,	Little's Block, 19.
Marcou, Philippe Belknap, A.M., 1879,	*Political Science*,	26 Garden St.
Melville, William Harlow, A.M., 1876,	*Physics*,	G. 5.
Phillips, Edward Emerson, A.B., 1878,	*Philology*,	S. 21.
Piper, William Taggard, A.B., 1874,	*Philology*,	22 Concord Ave.

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Ross, Denman Waldo, A.B., 1875,	*History*,	24 Craigie St.
Seward, Josiah Lafayette, A.B., 1868, D. B., 1874,	*History*,	Lowell.
Turner, Samuel Epes, A.B., 1869,	*History*,	Baltimore, Md.
Wells, Benjamin Willis, A.B., 1877,	*Philology*,	163 Brattle St.
White, Horatio Stevens, A.B., 1873,	*Philology*,	Ithaca, N. Y.

CANDIDATES FOR THE DEGREE OF S.D.

Diller, Joseph Silas, S.B., 1879,	*Natural History*,	15 Sumner St.
Mabery, Charles Frederic, S.B., 1876,	*Organic and Inorganic Chemistry*,	13 Avon St.

HOLDERS OF FELLOWSHIPS.

Harris Fellowship.

Henry Theophilus Finck, A.B. 1876.

Graduates' Scholarship.

Freeman Snow, PH.D. 1877.

Parker Fellowships.

James Greenleaf Croswell, A.B. 1873.
Benjamin Osgood Peirce, A.B. 1876, PH.D. (*Leipzig*) 1879.
John Henry Wheeler, A.M. 1875, PH.D. (*Bonn*) 1879.
Ernest Young, PH.D. 1876.

Kirkland Fellowship.

Oscar Roland Jackson, A.B. 1876.

RESIDENT GRADUATES NOT CANDIDATES FOR A DEGREE.

Bigelow, Melville Madison, PH.D.,	848 Broadway.
Flagg, Bernard Whitman, A.M.,	10 Concord Ave.
Perrin, Marshall Livingston, A.M.,	M. 59.

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CANDIDATES ADMITTED TO DEGREES AT COMMENCEMENT, 1879.

A.M.

Hollis Russell Bailey, A.B. 1877, LL.B. 1878.
Edward Bicknell, A.B. 1876, LL.B. 1878.
George Henry Browne, A.B. 1878.
Herbert Morison Clarke, A.B. 1878.
Emor Herbert Harding, A.B. 1876, LL.B. 1878.
Rockwood Hoar, A.B. 1876, LL.B. 1878.
Ernest Jackson, A.B. 1878.
Philippe Belknap Marcou, A.B. 1876.
Edward Woodman, A.B. 1877.

Ph.D.

Melville Madison Bigelow, A.B. (*University of Michigan*), 1866.
Department, History. *Subject*, The Legal History of the Norman Supremacy in England. *Thesis*, "Placita Anglo-Normannica: Law Cases from William I. to Richard I. preserved in Historical Records."

Marshman Edward Wadsworth, A.M., 1874.
Department, Natural History. *Subjects*, Mineralogy, and Geology. *Thesis*, "On the Classification of Rocks."

S.D.

Leonard Waldo, S.B. (*Marietta Coll.*), 1872.
Department, Mathematics. *Subjects*, Theoretical and Practical Astronomy. *Thesis*, "The Investigation of the Constants of the Micrometric Apparatus of the Merz Equatorial of the Observatory of Harvard College, together with the Discussion of the Observations of the Satellites of Mars observed therewith."

THE DEGREES OF A.M., PH.D., AND S.D.

The degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science are conferred on candidates recommended for them by the Academic Council of the University.

The following are the *Standing Rules of the Corporation and Overseers* relating to these degrees: —

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1. The degrees of Master of Arts and Doctor of Philosophy are open to Bachelors of Arts of Harvard College, and to Bachelors of Arts of other colleges, who shall have satisfied the College Faculty by examination that the course of study for which they received the Bachelor's degree is equivalent to that for which the Bachelor's degree is given in Harvard College, or shall have passed such additional examinations as that Faculty may prescribe.

2. The degree of Doctor of Science is open to Bachelors of Science of Harvard University, and to Bachelors of Science and Bachelors of Philosophy of other institutions who shall have satisfied the Faculty of the Lawrence Scientific School, by examination, that the course of study for which they received the Bachelor's degree is equivalent to that for which the degree is given in Harvard University, or shall have passed such additional examinations as that Faculty may prescribe.

3. The Academic Council will recommend for the degree of Doctor of Philosophy candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue at Harvard University for two years a course of liberal study, approved by the Council, in any one of the following departments, — Philology, Philosophy, History, Political Science, Mathematics, Physics, Natural History, or Music, — shall pass a thorough examination on that course, and shall present a satisfactory thesis.

4. The Academic Council will recommend for the degree of Doctor of Science candidates, otherwise properly qualified, who, after taking their Bachelor's degree, shall reside at least two years at the University, and pursue during three years a course of scientific study embracing at least two subjects, and approved by the Council, and shall pass a thorough examination upon that course, showing in one of the subjects special attainments, and shall also make some contribution to science, or some special investigation, to be embodied in a thesis; provided, however, that a course of study of two years only shall suffice for candidates who are both Bachelors of Arts and Bachelors of Science of Harvard University.

5. The Academic Council will recommend for the degree of Master of Arts candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue for at least one year at the University a course of liberal study approved by the Council, and shall pass a thorough examination on that course.

6. The Academic Council will also recommend for the degree of Master of Arts candidates otherwise properly qualified, who shall pursue at the University for at least one year, after taking the degree of Bachelor of Laws, Bachelor of Divinity, or Doctor of Medicine in Harvard University, a course of study in Law, Theology, or Medicine, approved by the Council, and shall pass a thorough examination on that course.

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7. In special cases, the Academic Council is authorized to remit the requisition of residence at the University to Bachelors of Arts or Science of Harvard University. [But this rule is limited by statute 9, p. 25.]

8. The degree of Doctor of Philosophy carries with it that of Master of Arts; the full title of the degree being Doctor of Philosophy *and* Master of Arts.

The following are *Standing Rules of the Academic Council:*—

1. Stated meetings of the Academic Council shall be held on the third Wednesdays of October, December, February, and April, and on the Thursday before Commencement.

2. All applications for the degrees of Master of Arts, Doctor of Philosophy, and Doctor of Science, shall be referred to the appropriate committees by the Secretary.

3. The committees have full power to approve proposed courses of study, and to decide all questions preliminary to the actual examinations; but applications for exemption from residence as a condition of obtaining the degree of Ph.D. or S.D. shall be referred to the Council, with the advice of the appropriate committee in each case.

4. The examinations in the several departments for the degrees of A.M., Ph.D., and S.D., are confided to the several committees; and the committees have power, in conducting such examinations, to procure the assistance of Officers of instruction and government, not members of the Council.

5. A candidate for the degree of A.M., Ph.D., or S.D., must reckon his period of study for the degree from the time of his admission to candidacy, unless the Academic Council shall make a special exception in his case. But a candidate admitted at the October meeting of the Council may reckon his period of study from the beginning of the year. A year of candidacy for the degree of A.M. may be counted towards the degree of Ph.D., at the discretion of the Council.

6. A candidate for the degree of Ph.D. or S.D. is not expected to propose, at the outset of his candidacy, a detailed course of study to be pursued for the degree; but he shall name for the approval of his committee, with such fulness as the committee shall think requisite, the subjects to which he wishes to devote himself during the period of his candidacy; and, on presenting himself for the degree, he shall be liable to minute examination on the whole ground covered by such subjects, and shall be required to prove his general acquaintance with the department from which he has selected his subjects.

7. Every candidate for the degree of A.M., Ph.D., or S.D., is required to present to the chairman of his committee, on the *first day of June* of each year of his candidacy, a detailed written statement of the course of study which he has actually pursued during the year, and to furnish

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evidence satisfactory to the committee of the scope of his year's work. But the presentation of such evidence shall not relieve him from liability to examination on the whole ground of his studies at the time of his offering himself for his degree. Any candidate who fails to comply with this provision shall be regarded as having withdrawn from his candidacy. This regulation is not intended to prevent a candidate's prolonging his period of study.

8. The thesis presented by a candidate for the degree of Doctor of Philosophy or Doctor of Science must show an original treatment of the subject, or give evidence of independent research.

9. Every candidate for the degree of Ph.D. or S.D. is required to communicate to the chairman of his committee the title of his proposed thesis on or before the *first day of March* of the year in which he means to present himself for examination, and to hand to the chairman a fair copy of his thesis on or before the *first day of May;* and the chairman has power to reject a thesis not plainly written. No candidate shall be admitted to examination till his thesis has been approved by the committee as fulfilling the requisition of § 8; and on the approval of the thesis, and as early as the *first day of June*, the thesis shall be deposited at the President's Office, for the inspection of any member of the Academic Council, with a certificate of approval, signed by such members of the committee as the chairman shall have specially designated for its examination; and notice of the titles of all theses thus deposited shall be sent to every member of the Council.

10. A successful candidate for the degree of Ph.D. is allowed to print his thesis, as one accepted for the degree, with the certificate of approval and the signatures of the approving professors; and either a printed or a written copy of the thesis and the original certificate must be deposited in the Library, and must be open to public inspection.

11. The department in which the degree of Ph.D. or S.D. is conferred shall be named in the quinquennial catalogue; and the department and the branch of the department which the candidate offers as his specialty, and the title of his thesis, shall be named in the Commencement programme, and in the next following annual catalogue.

12. Any person on whom this University has conferred the degree of Ph.D. or S.D. shall be thereby recognized as qualified to give special private instruction to candidates for this degree in the department in which he has himself taken the degree.

13. The requisition of residence is not remitted; except that a candidate for the degree of Ph.D. or S.D. may be exempted from one year of residence, if the Council see strong reason for such exemption. [See statute 9, p. 00.]

14. Candidates for the degrees of A.M., PhD., and S.D. are liable to be called upon for examination as early as the *second Monday in May*, provided the requisitions of § 9 have been fulfilled.

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FEES AND BONDS.

The fees to be paid by Bachelors of Arts or Science who receive instruction as candidates for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science, or who attend lectures or recitations without being members of any professional school, are as follows: —

At the rate of $15 for one hour a week of instruction during the academic year, up to $150, the fees covering examinations and certificates; except that the fee for the examination for the degree of Doctor of Philosophy or Doctor of Science shall in all cases be $60, and for special examinations for the degree of Master of Arts the fee shall be $30, and every candidate for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science, whether resident or not, must pay at least the minimum fee of $30 a year to the University, unless he pays a fee as a member of a professional school.

For any laboratory course the fee will be $150 a year.

Students must pay the *full year's fee* for all the courses of instruction which they attend.

Any student paying the full fee of $150 in any department of the University is entitled to attend any instruction (but not laboratory courses) in any other department, without further payment.

The bills of students in the Graduate Department are payable in each year on January 12, April 5, and October 9; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the University, his whole bill becomes payable at once.

Graduates of the University, or other collegiate institutions, desirous of pursuing their studies at Cambridge without any guidance, may enjoy the use of the Library on the payment of five dollars a year; but residence on these terms will not be accepted as residence qualifying for the degree of Master of Arts, Doctor of Philosophy, or Doctor of Science.*

All Bachelors of Arts, Science, or Philosophy, studying at the University, must give bonds in the sum of $200, signed by two bondsmen, one of whom must be a citizen of Massachusetts, for the payment of all dues to the University; but, instead of filing a bond, any student who prefers so to do, may pay his fees in advance, and deposit with the Bursar such a sum of money as may be deemed sufficient to secure payment of all other dues to the University.

* After the year 1879-80 no one will be considered a resident graduate unless he is receiving instruction in some department of the University.

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APPLICATIONS.

Any one who wishes to study for the degree of A.M., Ph.D., or S.D. must send a written application to be admitted as a candidate (with a statement of his qualifications) to Professor J. M. PEIRCE, *Secretary of the Academic Council.*

If the applicant is not qualified for candidacy by having received the degree of A.B. or S.B. from Harvard University, his request must first be referred to the College Faculty or to the Faculty of the Scientific School, under §§ 1, 2 of the *Standing Rules of the Corporation and Overseers.* Such requests are not granted, unless thoroughly satisfactory grounds are shown. In ordinary cases, the Faculties prefer to admit graduates of other institutions to advanced standing in the under-graduate courses, or, at any rate, to receive them as candidates for the higher degrees only after a suitable period of study at this University.

Every application for admission to candidacy for the degree of A.M. must contain a definite statement of the course of study proposed for the degree. The same fulness of detail is not expected of candidates for the degrees of Ph.D. and S.D. (see § 6 of the *Standing Rules of the Academic Council*). The course of study pursued for the degree of A.M. may be limited to one department of study, or may be miscellaneous in character; that pursued for the degree of Ph.D. must belong to *one* of the departments named in § 8 of the *Standing Rules of the Corporation and Overseers.* But the committees exercise their discretion in admitting courses which, without falling strictly within the limits of any one of those departments, still constitute connected fields of investigation and work, and can legitimately be referred to single departments. The degree of A.M. is conferred for a good year of study in fulfilment of a determinate programme. The doctorates are given, not for the mere reason of faithful study for a prescribed time or on a prescribed course, but on the ground of high attainment in a special subject, manifested not only by examinations, but by the performance of a masterly piece of work. Hence, candidates for the degrees of Ph.D and S.D., especially if they have not already acquired, at the outset, considerable knowledge in the branches of study which they pursue for the degrees, must often expect to continue their candidacy for longer periods than those required by the standing rules.

All applications must be in the hands of the Secretary at least one week before the meeting of the Council at which they are to be presented, in order that they may first be referred to the appropriate committees; and applications from graduates of other colleges must be received *two weeks* before the meeting of the Council. But no applications should be sent in during the vacation, which extends from the last Wednesday in June to the last Wednesday in September. Every

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application must state the *full name* of the applicant, the *dates* at which he attained the degrees he already holds, his *post-office* address, and (if he has already taken his residence near the University) the place of his *room* or *house*; and candidates are required to inform the Secretary of the Academic Council of any change in their address.

REGISTRATION.

Every candidate for the degree of A.M., Ph.D., or S.D., whether resident at the University or not, is required to give written notice to the Secretary of the Academic Council, before the first Wednesday in October in each year, of his purpose to continue or discontinue his candidacy, and, if he continues, to state his address. A candidate who omits this notice will be dropped from the list.

Every graduate student, whether a candidate for a degree or not, who wishes to attend instruction at the University, must obtain authority to do so, and register at No. 5, University Hall, at the beginning of the year.

After the year 1879–80, no one will be considered a resident graduate unless he is registered as a student in some department of the University.

Any candidate for the degree of A.M., Ph.D., or S.D., who withdraws from his candidacy, must give immediate notice of his withdrawal to the Secretary of the Academic Council and to the Bursar, and pay his dues to the University.

FELLOWSHIPS.

THE HARRIS FELLOWSHIP has an endowment of ten thousand dollars, the yearly income of which is to be applied under the following conditions established by the founder: —

"That this income be given to some graduate of acknowledged excellence in one or more departments of literature or science (but not necessarily of the highest college rank), for one or more years; that the recipient satisfy the Corporation of his need of such aid, and his purpose to make the most of it; that residence at Cambridge be required unless excused for substantial reasons, and that marriage be a disqualification; that studies for the professions of law, theology, or medicine, be excluded from the studies of the recipient; and that the Corporation be authorized to make such other restrictions and conditions as in its judgment will best secure from the recipient his entire devotion to accurate scholarship or the higher branches of science."

THE GRADUATES' SCHOLARSHIP has an endowment of twenty thousand dollars, the income of which is to be used in accordance with the following directions, given by the founder: —

". . . For the encouragement and attainment of a higher, broader, and more thorough scholarship than is required or expected of Undergraduates, in all sound literature and learning, except science strictly so called, ...

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"1. I direct that the Corporation, from time to time, shall select from the Senior Class the member whom, from his natural gifts, attainments, and general character, intellectual and moral, they, after consultation with the Faculty of the College, shall deem best fitted to attain the object contemplated by this donation, and shall offer to him from said income and profits an annual grant of money, upon the following conditions, viz.: —

"That he shall reside at Cambridge, and shall faithfully devote his time and thoughts to the pursuit of such branches and courses of study as he, with the approbation of the Corporation, may select. That, whilst a recipient of this grant, he shall engage in no studies designed to prepare him for a special profession, nor in any other business or occupation except that of a Proctor of the College; or an occasional examiner of some of the classes, at the request of the Corporation. That, from time to time, he shall be subject to be called upon to give such evidence of his fidelity and proficiency as the Corporation may require, and especially to write essays and dissertations upon such subjects, within the circle of his studies, as they shall designate; and these, when completed, shall be at their disposal.

"2. I direct that the grant shall be from year to year; and that the amount thereof, in the first instance, shall not exceed the sum of eight hundred dollars. . . ."

The original conditions have been recently (July, 1877) modified so that the Corporation may, at their discretion, appoint a graduate of longer standing than that above prescribed, and may permit the incumbent to reside abroad for the purposes of study.

PARKER FELLOWSHIPS. — Four Fellowships of the annual value of $800 each have been created from the income of the bequest of John Parker, Jr. These Fellowships may be held by Graduates of Harvard College, or of any other department of the University, for a term not exceeding three years in any case. Appointments to these Fellowships will be made annually by the President and Fellows of Harvard College, ordinarily upon recommendation of the Academic Council, at or about Commencement in each year; but the appointments so made must receive, under the provisions of the founder's will, the approval of the Governor and Chief Justice of the Commonwealth of Massachusetts and the President of the American Academy of Arts and Sciences. The holder of a Parker Fellowship must devote himself to some special course of study approved by the Academic Council; he is restricted, during his tenure of the Fellowship, from pursuing the usual studies preparatory to a profession (but not necessarily from higher professional studies), and from occupation in teaching or active business; he is liable to be called upon from time to time to give satisfactory evidence of his fidelity and proficiency; and he is liable to lose his appointment, by

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vote of the President and Fellows, whenever the evidence of his fidelity and proficiency shall be unsatisfactory to the Academic Council, or whenever he may become for any reason unfit, in the opinion of the President and Fellows, to hold a Fellowship.

The object of Mr. Parker's bequest is to provide the most thorough education possible for persons who possess uncommon powers in any department of knowledge, or who give promise of developing such powers, but who have not at command the means of paying for a prolonged and costly training. Incumbents of these Fellowships may study abroad, if they prefer.

THE JOHN THORNTON KIRKLAND FELLOWSHIP. — This Fellowship, having an endowment of about eleven thousand dollars, has been established with the gift of George Bancroft, LL.D. The incumbent of this Fellowship must, as a rule, have resided at least three years at the University as a member either of the College or of one of the Schools. The Fellowship may be held for three years, and no longer; but the appointment must be renewed from year to year, on evidence that the incumbent is fulfilling the purpose of the endowment. It may be awarded to "any young person likely to distinguish himself in either of the learned professions, or in any branch of Science, or in Architecture, Sculpture, Painting, Music, or Letters." The appointment to this Fellowship is made annually by the President and Fellows, on recommendation of the Academic Council, at or about Commencement in each year. The incumbent may study abroad, if he prefer.

Applications for the Parker and Kirkland Fellowships must be sent to the *Secretary of the Academic Council*, on or before the last Wednesday in March. An application made by a person who is for the first time a candidate should specify his qualifications and the course of study to which he wishes to devote himself. An application by an incumbent for the renewal of the appointment should be a report upon the work which he has already done while a Fellow, and a sketch of that which he purposes to do. Applications for the Harris Fellowship and the Graduates' Scholarship must be sent to the *Dean of the College Faculty*, on or before the last Wednesday in May.

COMMITTEES OF THE ACADEMIC COUNCIL.

Committee in Philology. — Professors Hedge, Sophocles, Lowell, Child, Lane, Young, Goodwin (chairman), Bôcher, and A. S. Hill, and Assistant Professors Jacquinot, Greenough, Nash, W. Cook, Smith, J. W. White, and Bartlett.

Committee in Philosophy. — Professors Hedge, Peabody, Bowen (chairman), and Everett, and Assistant Professors Palmer and James.

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Committee in History. — Professors Hedge, Torrey (chairman), Norton, Dunbar, Gurney, and Ames.

Committee in Political Science. — Professors Bowen, Torrey, Dunbar (chairman), Langdell, Gurney, and Ames.

Committee in Mathematics. — Professors B. Peirce, Lovering, Eustis, Gibbs, J. M. Peirce (chairman), and Pickering, and Assistant Professors C. J. White, Trowbridge, and Byerly.

Committee in Physics (*including Chemistry*). — Professors Lovering, Gibbs, Cooke (chairman), Storer, Pickering, and Wood, and Assistant Professors Rogers, Trowbridge, Jackson, and H. B. Hill.

Committee in Natural History. — Professors Holmes, Gray (chairman), Whitney, Hagen, Slade, Cooke, Goodale, and Shaler, and Assistant Professors Edes, Bowditch, Farlow, and James.

Committee in Music. — Professors Lovering, Child, and Paine (chairman), and Assistant Professors Greenough, and H. B. Hill.

Committee in Law. — Professors Torrey, Dunbar, Langdell (chairman), Thayer, Gray, and Ames.

Committee in Theology. — Professors Hedge, Peabody, Abbot, Young, and Everett (chairman), and Assistant Professor Palmer.

Committee in Medicine. — Professors Minot, Gibbs, Ellis (chairman), Cheever, and Goodale, and Assistant Professor Fitz.

Committee on Fellowships. — Professors Abbot, Torrey, Ellis, Cooke, Langdell, and Dunbar (chairman).

Committee on Commencement Exercises. — Professors Lovering, Torrey Lane, Everett, Dunbar, Thayer, A. S. Hill (chairman), and Goodale.

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ADMISSION TO HARVARD COLLEGE WITHOUT MATRICULATION.

The *Elective* Courses of Study in Harvard College are open to persons *not less than twenty-one years of age*, who satisfy the Faculty of their fitness to pursue the particular courses they elect, although they have not passed the usual examination for admission to College, and do not propose to be candidates for the degree of Bachelor of Arts.

A certificate of proficiency will be given, if desired, to any person who, having faithfully pursued his chosen subjects throughout the year, passes the mid-year and June examinations therein, and attains not less than seventy-five per cent of the maximum marks therefor.

The Faculty reserve the right to deprive any student of his privileges at any time, if he abuse or fail to use them.

Persons who propose to avail themselves of this provision will be required to begin their attendance at the beginning of the academic year. They must present themselves at No. 1 Harvard Hall, on the Thursday following the last Wednesday in September, at 10 A.M., prepared to furnish testimonials as to their age and character, to indicate the courses of study they wish to pursue, and to demonstrate by examination or otherwise their fitness to attend those courses.

The tuition-fees for Unmatriculated Students will be computed at the rate of $15 for one hour a week of instruction during the academic year, up to $150, the fees covering examinations and certificates; *but in no case shall the fee be less than* $30 *a year*. For any laboratory course the fee will be $150 a year.

Students must pay the *full year's fee* for all the courses of instruction which they attend.

The bills of Unmatriculated Students are payable in each year on January 12, April 5, and October 9. Each bill will contain one-third of the annual charges. When a student severs his connection with the College, his whole bill becomes payable at once.

Unmatriculated Students must file a bond for *two hundred dollars*, similar to that filed by Undergraduates, or make a deposit with the Bursar.

For further information on this subject, address Professor C. J. WHITE, Registrar, Cambridge, Mass.

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UNMATRICULATED STUDENTS.

Andrews, Gwynne Murdock,	*Columbus, O.,*	10 Oxford St.
Clayton, John,	*Newcastle, Del.,*	
Clement, A. W.,	*Lawrence,*	25 Holyoke St.
Edgerly, Clinton Johnson,	*Boston,*	16 Story St.
Gordon, George A.,	*Cambridge,*	12 Trowbridge St.
Gordon, Stephen M.,	*Beverly,*	Beverly.
Holden, Francis M.,	*Boston,*	W. 2.
Hooker, Edward Dwight,	*Cambridge,*	415 Broadway.
Lynes, Frank,	*North Cambridge,*	23 Orchard St.
Marshall, Clarence Alden,	*Newton,*	Newton.
Miles, Jonas Michael,	*Fitchburg,*	W. 52.
Nakawara, Gisamro,	*Boston,*	M. 28.
Parsons, Richard Chappell,	*Cleveland, O.,*	H'ke 14.
Prentiss, Henry,	*Boston Highlands,*	Boston Highlands.
Taffany, Walter Checkley,	*West Newton,*	54 Brattle St.

INSTRUCTION IN CHINESE.

Instruction in the Chinese (Mandarin) language will be given daily in term-time, beginning October 22d.

The tuition-fee will be $150 for the academic year, payable by thirds, in advance. No fee less than $50 will be received; but the tuition-fee may be remitted to promising students who are unable to pay it. Two hours a day of work with the instructor, and from two to three hours a day apart from the instructor, will be required, in order to make satisfactory progress.

The instruction is open, upon the above-mentioned terms, to any competent person who has a serious purpose of acquiring the language. Students will be received at any time during the year, but may best begin at the opening of the course.

For further information, address AMORY T. GIBBS, *Secretary.*

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EVENING READINGS.

Evening Readings, consisting mainly of selections from ancient and modern classics, are open to all members of the University, and also to the public, several evenings in the week, from October till April.

The course of readings extends over several years; the authors read during the year 1878–79 were: —

Aeschylus and Aristophanes, by PROFESSOR GOODWIN.
Homer's Odyssey, by ASSISTANT PROFESSOR PALMER.
Sophocles and Euripides, by ASSISTANT PROFESSOR J. W. WHITE.
The Ajax of Sophocles, by MR. DYER.
Homer's Iliad, by MR. L. B. R. BRIGGS.
Catullus, by MR. HALE.
Chaucer, by PROFESSOR CHILD.
Lessing, by ASSISTANT PROFESSOR BARTLETT.
Schiller, by MR. SHELDON.
Easy German Prose, without translation, by MESSRS. SHELDON and LUTZ.
Easy Spanish Prose and Easy Italian Prose, without translation, by MR. BENDELARI.
Pianoforte Recitals from the Great Masters, by PROFESSOR PAINE.

The courses of readings announced for 1879–80 are: —

Aeschylus and Aristophanes, by PROFESSOR GOODWIN.
Homer's Odyssey, by ASSISTANT PROFESSOR PALMER.
Herodotus, by ASSISTANT PROFESSOR J. W. WHITE.
Sophocles's Oedipus at Colonos, by MR. DYER.
Homer's Iliad, by MR. L. B. R. BRIGGS.
Horace's Epistles, by MR. HALE.
Lucretius, by MR. GOULD.
Shakspere, by PROFESSOR CHILD.
French Plays, without translation, with comments in French, by ASSISTANT PROFESSOR JACQUINOT.
Lessing, by ASSISTANT PROFESSOR BARTLETT.
Easy German Prose, without translation (Chamisso, Tieck, Heyse) *with comments in German*, by MR. SHELDON.
Hermann and Dorothea, by MR. LUTZ.
Easy Italian Prose, without translation (Dall' Ongaro, Goldoni, Boccaccio), *with comments in Italian*, by MR. BENDELARI.
Easy Spanish Prose, without translation (Hartzenbusch, Treuba, Cervantes), *with comments in Spanish*, by MR. BENDELARI.
German — Popular Scientific Authors, by MR. H. B. HODGES.
Pianoforte Recitals from the Great Masters, by PROFESSOR PAINE.

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THE MUSEUM OF COMPARATIVE ZOÖLOGY

AT HARVARD COLLEGE.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
ALEXANDER AGASSIZ, A.B., S.B., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Secretary.*

THEODORE LYMAN, A.B., S.B.

OFFICERS.

ALEXANDER AGASSIZ, A.B., S.B., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Sturgis Hooper Professor of Geology.*
HERMANN A. HAGEN, M.D., PH.D., *Professor of Entomology.*
NATHANIEL S. SHALER, S.D., *Professor of Palaeontology.*
LOUIS FRANCIS POURTALÈS, *Keeper.*
WILLIAM JAMES, M.D., *Assistant Professor of Physiology and Comparative Anatomy.*
THEODORE LYMAN, A.B., S.B, *Assistant in Zoölogy.*
CHARLES E. HAMLIN, A.M., *Assistant in Conchology and Palaeontology.*
JOEL A. ALLEN, *Assistant in Ornithology.*
WILLIAM M. DAVIS, M.E., *Assistant in Geology.*
WALTER FAXON, A.B., S.D., *Assistant in Zoölogical Laboratory.*
SAMUEL W. GARMAN, *Assistant in Herpetology.*
EDWARD L. MARK, PH.D., *Assistant in Zoölogical Laboratory.*
MARSHMAN EDWARD WADSWORTH, PH.D., *Assistant in Lithology.*
PAULUS ROETTER, *Artist.*
FRANCES M. SLACK, *Librarian.*

This institution was founded in 1859, and placed under the direction of a special Board of Trustees. By an act of the Legislature, dated March 13, 1876, the Trustees of the Museum were authorized to transfer to the

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President and Fellows of Harvard College all the property in their hands. In April, 1876, articles of agreement were drawn up between the Trustees of the Museum and the President and Fellows, and the property was conveyed in accordance with the act of the Legislature.

The Museum is under the management of a Faculty, who nominate the Curator and appoint the Assistants.

The Curator is charged with the direction of the scientific and educational interests of the Museum, as well as of its relations to the public. The Natural History collections of Harvard College, with the exception of the Herbarium and the Mineralogical collections, are placed in the Museum building.

The collections, so far as arranged in the part of the building already erected, are open to visitors every day, from 9 A.M. till 5 P.M., except Sundays.

The courses of instruction in Natural History numbered 1, 2, 4, 5, and 6 (see p. 89) — the lectures on Physiology and Hygiene (see p. 90) — and Graduate Courses 34, and 40–45 (see p 189) are given at the Museum, in the Zoölogical and Geological Laboratories, under the direction of Professors Whitney, Hagen, and Shaler, Dr. James, Messrs. Faxon, Mark, Davis, and Wadsworth. Professors Whitney, Hagen, and Shaler, and Messrs. Pourtalès, Hamlin, and Allen, receive special students in their respective departments at the Museum.

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THE PEABODY MUSEUM

OF

AMERICAN ARCHAEOLOGY AND ETHNOLOGY.

TRUSTEES.

ROBERT CHARLES WINTHROP, LL.D., *Chairman.*
CHARLES FRANCIS ADAMS, LL.D.
STEPHEN SALISBURY, LL.D.
ASA GRAY, LL.D.
HENRY WHEATLAND, A.M., M.D., *Secretary.*
THOMAS TRACY BOUVÉ, A.M.
THEODORE LYMAN, A.B., S.B.

OFFICERS.

FREDERICK WARD PUTNAM, A.M., *Curator.*
LUCIEN CARR, A.B., *Assistant Curator.*

In the Instrument of Trust, dated October 8th, 1866, the Founder has assigned to the Trustees three distinct duties: —

1. The forming and preserving of collections.
2. The nomination of a professor, who shall have charge of the collections, and deliver lectures on subjects connected with them; the said professor being appointed by the President and Fellows of Harvard College.
3. The erection of a building for a Museum.

The first section of the building, fronting on Divinity Avenue, was erected in 1877, and the collections are in process of arrangement.

The Museum is in charge of the Curator, and, for the present, admission can be had only by application to him or to the Assistant Curator. When arranged, the Museum will be opened to visitors every day in term time. During the present term one hall will be open to the public, and will contain the collections relating to the ancient and modern "Pueblo nations," and to the "Mound-builders." On the gallery of the hall will be arranged the articles from Mexico and Central America.

The Publications of the Museum consist of *Annual Reports*, of which twelve have been printed. These Reports contain special papers on Anthropological subjects, many of which are illustrated.

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THE EPISCOPAL THEOLOGICAL SCHOOL, IN CAMBRIDGE.

ESTABLISHED IN 1867.

(Not a part of the organization of Harvard University.)

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CONDITIONS OF ADMISSION.

1. Bachelors of Arts may be admitted to the membership of the School.

All other applicants must be examined in the Latin and Greek languages, History, Rhetoric, Mental and Moral Science, and shall be admitted only by an affirmative vote of a majority of the members of the Faculty.

In all cases, satisfactory evidence shall also be produced of such religious character as renders the applicant apt and meet for the sacred ministry.

Members of other Theological Seminaries may be admitted *ad eundem*.

Candidates for Orders shall have the preference in the selection of rooms in the Dormitory.

STUDENTS.

Senior Class.

NAME.	RESIDENCE.
Amory, Augustine Heard, A.B.,	*Brookline.*
Ayers, David Jacob,	*Charlestown.*
Bigelow, Frank Hagar, A.B.,	*Concord.*
Burbank, William Henry, A.B.,	*Cambridge.*
Cross, Edward Silvain,	*Boston.*
Gilman, James Ward, A.B.,	*Lowell.*
Holbrook, George Arthur, A.B.,	*Portsmouth, N. H.*
Sterling, Paul, A.B.,	*Gambier, O.*
Woodman, Edmund Radcliffe,	*Newburyport.*

Middle Class.

Attwood, Julius Walter, A.B.,	*Salisbury, Vt.*
Clark, Arthur March,	*Framingham.*
Cowper, Frederick Charles,	*Exeter, N. H.*
Hodgkiss, Samuel,	*Cambridge.*
Howland, Williams,	*Brooklyn, N. Y.*
Kenyon, Ralph Wood, A.B.,	*Brooklyn, N. Y.*
Morrill, Charles Walter Kilgore,	*Boston.*
Nash, Henry Sylvester, A.B.,	*Cambridge.*
Nickerson, Thomas White,	*Boston.*
Washburn, Alfred Foster, A.B.,	*Cambridge.*
Webber, Percy Clinton, A.B.,	*Boston.*

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Junior Class.

Addison, Charles Morris,	*Washington, D.C.*
Bassett, Henry,	*Providence, R. I.*

EXPENSES.

There are no charges made by the School.

The cost of board, fuel, lights, washing, and necessary books can be met with about $225 per annum.

TERM TIME, &c.

The annual term opens on the fourth Wednesday of September, and closes with Commencement, the third Wednesday in June. Vacations: between the close and opening of the terms, as above; from December 24th to January 6th; from the Saturday before Passion Week to Easter Tuesday, inclusive.

BUILDINGS.

The School possesses a Dormitory, Library (containing Lecture rooms) Refectory and Chapel, all new and excellently adapted to the comfort and convenience of students. They are situated on Brattle Street, a few minutes' walk from Harvard Square.

Particular attention is called to the fact that St. John's Memorial Chapel, on Brattle Street, was erected and given to the School for the especial and free accommodation of Harvard students. They are therefore invited to attend its services, and the Dean regards it as a part of his duty, as well as a pleasure, to extend any pastoral attention that may be desired by them.

For further details of information regarding this Institution, address the Dean at the School.

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THE UNIVERSITY LIBRARY.

COUNCIL.

CHARLES W. ELIOT, *President.*
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WOLCOTT GIBBS, *Professor on the Application of Science to the Useful Arts.*
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JUSTIN WINSOR, *Librarian of the University.*
GEORGE L. GOODALE, *Professor of Botany.*

COLLEGE LIBRARY.

JUSTIN WINSOR, *Librarian.*
SAMUEL H. SCUDDER, *Assistant Librarian in charge of the Catalogue.*
GEORGE F. ARNOLD, *Curator of the Shelves.*
THOMAS J. KIERNAN, *Superintendent of Circulation.*

DEPARTMENTAL LIBRARIES.

The care of the several libraries devolves upon some member of the faculties of the respective departments, when regular librarians have not been appointed.

HENRY L. EUSTIS, *Professor, and Dean of the Lawrence Scientific School.*
FRANCIS H. STORER, *Professor, and Dean of the Bussey Institution.*
EDWARD C. PICKERING, *Professor, and Director of the Astronomical Observatory.*
SERENO WATSON, *Curator of the Herbarium, Botanic Garden.*
JOHN H. ARNOLD, *Librarian of the Law School.*
CHARLES B. ELDER, *Librarian of the Divinity School.*
JAMES E. CLEAVES, *Librarian of the Medical School.*
FRANCES M. SLACK, *Librarian of the Zoölogical Museum.*

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The College Library in Gore Hall is for the use of the whole University. All students who have given bonds may take out books, three volumes at a time, and may keep them four weeks. Books, reserved at the instance of officers of instruction, as collateral reading for their courses, are shelved in separate alcoves, with tables for consultation, and can only be taken out near the close of library hours, and must be returned upon the reopening of the Library. Students who leave Cambridge for an absence of more than one week must first return all borrowed books.

The College Library is open every week-day, except Thanksgiving day, Christmas day, New Year's day, Fast day, and the Fourth of July, from nine A.M. till five P.M., or till sunset, when that is before five; but in vacation or recess, the hour of closing is two P.M.

The College Library may be consulted by all persons, whether connected with the University or not. The privilege of borrowing books is also granted, under special regulations, to persons not connected with the University. *Blanks for making applications for such use may be had of the Librarian.*

Persons entitled to use the College Library can have access to the departmental libraries, for consultation, by applying to the Superintendent of circulation at Gore Hall; but such libraries are primarily for the special use of the schools and departments, and are placed in the buildings belonging to such schools and departments. An express-box passes regularly between the College Library and the Bussey Institution.

The several libraries now contain about the following numbers of bound volumes: —

Gore Hall	182,500
Lawrence Scientific School	2,200
Bussey Institution (Jamaica Plain)	2,200
Phillips Library (Observatory)	3,300
Botanic Garden (Herbarium Library)	8,100
Law School	17,500
Divinity School	18,500
Medical School (Boston)	2,000
Museum of Comparative Zoölogy	13,350
Peabody Museum	350
	248,000

The collection of pamphlets and maps in the College Library is very large, and is estimated to be equal in number to the collection of bound volumes. The departmental libraries have also considerable numbers of pamphlet monographs on subjects connected with their specialties; and these are not included in the count of volumes. The College Library has also a collection of maps and coins.

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The catalogue of the Gore Hall Collection, including pamphlets, is on cards, accessible to the public, and consists of two parts, the one arranged by authors, the other by subjects. Printed strips of titles added to all the libraries are issued once or twice a week; and they are posted in Gore Hall and in the departmental libraries. Four times during the academic year, they are gathered in bulletins and issued with supplements, giving notes on the authorities in different departments of knowledge. From these supplements another series of publications is made up, as "Bibliographical Contributions," of which ten have been issued, or are in course of publication. More extensive bibliographical works constitute another series, "Special Publications," of which Scudder's "Catalogue of Scientific Serials" (1633–1876, 8vo, pp. 370), makes No. 1, published in 1879. There has also been issued a Catalogue of the Gray Collection of Engravings (4to, 1869); but this collection has, for the present, been transferred from the Library to the Museum of Fine Arts in Boston.

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SUMMER COURSES OF INSTRUCTION

IN

CHEMISTRY, BOTANY, AND GEOLOGY.

CHEMISTRY.

During the summer of 1879 classes were formed in General Chemistry, Qualitative Analysis, and Quantitative Analysis. Special instruction was given in advanced Quantitative and Organic Analysis, and in some of the methods of Organic Chemistry.

Three general experimental lectures were given each week. The aim of these lectures was to present general principles of Chemistry, and the apparatus and collections of the University were used for the purpose of illustration.

During the first half of the course lectures were given daily on the methods employed in Qualitative Analysis: the methods were followed out by the student in the laboratory, and the latter part of the course was spent in the analysis of compounds.

Most of the methods used in Quantitative Analysis were given by lectures, and each student received personal instruction in the laboratory.

The course was conducted by Mr. C. F. Mabery. Assistance in the laboratory instruction was given by Mr. W. Z. Bennett and Mr. J. F. White.

The laboratories were open five and a half days in the week from July 7 to August 16.

STUDENTS.

GENERAL CHEMISTRY.

Andrews, Mary C., *Teacher*,	Kenosha, Wis.
Garver, Austin Samuel, *Clergyman*,	Greenwood.
Howe, Anna D., *Teacher*,	Sanford, N.Y.
Mackintosh, Edmund,	Boston.
Spinney, William A., A.B., *Master in Adams School*,	Newtonville.
Talcott, S. Eliza,	Danbury, Conn.
Wheeler, Horace Leslie, *Student, Harv. Univ.*,	Watertown.
Young, Alla Frances, *Teacher in High School*,	Charlestown.
Zeigler, Joseph I.,	Boston.

QUALITATIVE ANALYSIS.

Arthur, Joseph C., M.S. (*Iowa Agric. Coll.*), *Instructor of Botany Univ. of Wisconsin*,	Madison, Wis.
Bowen, John Templeton, A.B.,	Boston.
Brett, William P.,	Boston.
Collier, John, *Teacher*,	Pittsburg, Pa.

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Fish, Charles E., *Teacher*,	Watertown.
Peckham, William Clark, A.M. (*Amherst Coll.*), *Teacher*,	Brooklyn, N.Y.
Richards, J. Havens, *Prof. of Physics, Georgetown Coll.*,	Georgetown, D.C.
Seymour, Minor L., *Prof. Nat. Science Ill. Normal Univ.*,	Normal, Ill.
Van Benthuysen, George Chrystie, *Student, Harv. Univ.*,	Boston.
Zeigler, Joseph I.,	Boston.

QUANTITATIVE ANALYSIS.

Clement, Albert Wason, *Student, Harv. Univ.*,	Lawrence.
Crosby, Eugene C., *Teacher in High School*,	Kansas City, Mo.
Fish, Charles E., *Teacher*,	Watertown.
Hough, Garry De Nerville, *Student, Harv. Univ.*,	New Bedford.
Jackson, David George,	Newtonville.
Melvin, Cynthia Griffin, *Teacher*,	Boston.
Sanger, Charles Robert, *Student, Harv. Univ.*,	Cambridge.

ADVANCED QUANTITATIVE, INCLUDING ORGANIC ANALYSIS, AND SPECIAL EXPERIMENTAL METHODS.

Green, Samuel S., M.S. (*Univ. of Michigan*), *Prof. of Physics and Chemistry, Swathmore Coll.*,	Swathmore Coll., Pa.
Jackson, Adaline B.,	Boston.
Lloyd, Mrs. Franklin, *Teacher*,	Philadelphia, Pa.
Small, Nathaniel C., *Student, Inst. of Technology*,	Boston.

The course of instruction in Chemistry for 1880 will be similarly arranged. The laboratories in Boylston Hall are to be open all day and the summer classes are offered the same facilities for experimental work as are open to the student during the academic year.

The fee for the course is $25, beside a small charge for chemicals, breakage, and use of apparatus.

The course will begin on July 7, and continue six weeks.

Applications for circulars or for further information may be made to Mr. C. F. MABERY, Cambridge, Mass.

BOTANY.

A course of Instruction in Phaenogamic Botany was given during the summer of 1879. The lectures by Professor Goodale were followed daily by practical dissections and demonstrations in the laboratory. All requisite appliances and abundant material for examinations were furnished every student.

STUDENTS IN PHAENOGAMIC BOTANY.

Andrews, Mary C., *Teacher*,	Delaware, O.
*Arthur, Joseph C., M.S., (*Iowa Agricultural Coll.*) *Instructor in Botany in Univ. of Wisconsin*,	Madison, Wis.

* Lectures.

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Bailey, William Whitman, Ph. B. (*Brown Univ.*), *Instructor in Botany, Brown Univ.*,	Providence, R. I.
Barnes, Charles Reid, A.B. (*Hanover Coll.*), *Teacher*,	Madison, Ind.
Beebe, Mrs. Mary J.,	Boston.
Blancher, Mary,	Boston.
Carvill, Robert Dennett,	Anoka, Minn.
Cathcart, Ellen Weir, *Teacher*,	Philadelphia, Pa.
Cheney, Margaret S.,	Jamaica Plain.
Cheney, Mary,	South Manchester, Conn.
Coulter, John M., A.M. (*Hanover Coll.*), *Professor of Natural History in Wabash Coll.*,	Hanover, Ind.
Doane, Caroline,	Charlestown.
Doane, Frances,	Charlestown,
Doane, John, *Student Harvard Coll.*,	Cambridge.
Dolbear, Mrs. Alice J.,	College Hill.
Eliot, Laura Adams, *Student Boston Univ.*,	Somerville.
Elliott, Sophronia Maria, *Teacher*,	Boston.
Ellis, Lucy,	Boston.
Esten, Rhoda A., *Teacher*,	Providence, R. I.
Hallowell, Susan Maria, A.M. (*Colby Univ.*), *Professor of Natural Science*,	Wellesley.
Howe, Anna D., *Teacher*,	Sandford, N. Y.
*Lloyd, Mrs. Franklin, *Teacher*,	Philadelphia, Pa.
McBride, T. H., A.M., (*Monmouth Coll.*), *Assistant Professor of Natural Science in State Univ. of Iowa*,	Iowa City, Iowa.
Minns, Susannah,	Boston.
Moore, Nina, *Teacher*,	West Newton.
Newell, Jeanie H.,	Cambridge.
Parsons, Katharine,	Cambridge.
*Peckham, William Clark, A.M. (*Amherst Coll.*), *Teacher*,	Brooklyn, N. Y.
Pindell, Jenny, A.B. (*Baltimore Fem. Coll.*)	Baltimore, Md.
Sargent, Emily Whitney,	Worcester.
*Seymour, Minor L., *Professor Natural Science, Ill. Normal Univ.*,	Normal, Ill.
Straight, Henry H., A.M. (*Oberlin Coll.*), *Professor of Nat. Science, Normal School, New York, N. Y.*,	Oswego, N. Y.
Watson, Benjamin Marston, A.B., *Instructor in Horticulture, Bussey Institution*,	Jamaica Plain.
Watson, Rosa Bolles,	East Windsor Hill, Conn.
Williams, Janet W., *Teacher*,	Newton Lower Falls.

* Lectures.

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The corresponding course in 1880 will begin on July 7, and continue six weeks.

The instruction in Phaenogamic Botany will be given in the Botanical Laboratory, Cambridge, by Professor Goodale. Two courses of lectures will be given: one adapted to beginners, the other to more advanced students. Particular attention will be paid to Morphology and Physiology. The greenhouses and gardens of the University afford ample facilities for illustrating the subjects of Structural and Systematic Botany.

Fee for the course, $25.

For further information, or for an outline sketch of the course, application may be made to the instructor.

GEOLOGY.

The fifth session of the Summer School of Geology was conducted in connection with the work of the Kentucky Geological Survey in Kentucky, Virginia, and Tennessee. The instruction was given by the Professor of Palaeontology and his assistants.

STUDENTS.

Coombs, S. W.,	Bowling Green, Ky.
Crump, M. H., *Teacher*,	Bowling Green, Ky.
Eldridge, George Homans, A.B., *Master of High School*,	Nahant.
Goodwin, E. I., *Teacher*,	Farmington, N.H.
Lowry, Sylvanus Todd, A.M. (*Bethel Coll.*), M.D., (*Jefferson Coll., Pa.*), *Supt. of Public Schools*,	Owensboro', Ky.
Norton, Eliot, *Student*,	Cambridge.
Wolff, John Eliot, A.B.,	Boston.

The sixth session of the Summer School of Geology will include two courses.

An elementary course designed for beginners which will be given in Cambridge, including lectures, laboratory, and field work.

For information address William M. Davis, Instructor in Geology.

An advanced course, designed for persons of some training in the science, will be given in the field in connection with the work of the Kentucky Geological Survey, and probably for two months in the Rocky Mountains.

For information address Professor N. S. Shaler.

The fee for either course will be $25.

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* Lectures.

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EXAMINATIONS FOR WOMEN.

These Examinations were held for the first time in 1874, in Boston. In 1880, they will be held simultaneously in Cambridge, New York, Philadelphia, and Cincinnati, beginning on the last Wednesday in May. The examinations are of two grades: I. A general or preliminary examination; II. An advanced examination, for those who have passed the preliminary examination.

I. PRELIMINARY EXAMINATION.

The Preliminary Examination embraces the following subjects: English, Physical Geography, either Elementary Botany or Elementary Physics, Arithmetic, Algebra through quadratic equations, Plane Geometry, History, and any two of the four languages, — French, German, Latin, and Greek, — at least one of the two chosen being a modern language.

This examination can be taken as a whole only by young women who are at least seventeen years old. It may, however, at the option of the candidate, be divided between two years; and, in this case, the minimum age of admission is sixteen years. No candidate will, in any case, be admitted to examination on a part of any subject; and no account will be made of a partial examination, unless the candidate has passed satisfactorily in at least three subjects. If the candidate passes in three or more subjects, the results of the partial examination will be recorded by the University; but no certificate will be given until the whole examination has been passed. Candidates who divide the Preliminary Examination will be expected to attain a somewhat higher degree of excellence than those who present the nine subjects at once.

II. ADVANCED EXAMINATION.

The Advanced Examination is for young women who have passed the Preliminary Examination, and who are not less than eighteen years old. It is divided into five sections, in one or more of which the candidate may present herself. These sections are as follows: —

1. *Languages.* Candidates may offer any two of the following languages: English, French, German, Italian, Latin, Greek.

2. *Physical Science.* Candidates may offer any two of the following subjects: Chemistry, Physics, Botany, Mineralogy, Geology.

3. *Mathematics.* Candidates must present Solid Geometry, Algebra, Logarithms, and Plane Trigonometry, and one of the three following subjects: (1) Analytic Geometry, (2) Mechanics, (3) Spherical Trigonometry, and Astronomy.

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4. *History.* In 1880, candidates may offer either of the two following subjects: (1) The History of Continental Europe during the period of the Reformation, 1517–1648; (2) English and American History from 1688 to the end of the eighteenth century.

5. *Philosophy.* Candidates may offer any three of the following subjects: Mental Philosophy, Moral Philosophy, Logic, Rhetoric, Political Economy.

FORMS OF CERTIFICATES TO BE GIVEN BY THE UNIVERSITY.

HARVARD UNIVERSITY.

PRELIMINARY EXAMINATION FOR WOMEN.

A —— B —— has passed (passed with distinction) (passed with the highest distinction) the Preliminary Examination, held at ——, on the —— of ——, 188 , under the direction of the Faculty of Harvard College, and is entitled to proceed to the Advanced Examination.

CAMBRIDGE, Aug. 2, 188 . *President.*

HARVARD UNIVERSITY.

ADVANCED EXAMINATION FOR WOMEN.

A —— B ——, having duly passed the Preliminary Examination on the —— of ——, 188 , has been admitted to the Advanced Examination in the section (sections) of ——, and has passed (passed with distinction) (passed with the highest distinction) the prescribed examinations in ——, held at ——, under the direction of the Faculty of Harvard College, on the —— of ——, 188 .

CAMBRIDGE, Aug. 2, 188 . *President.*

Notice of intention to be a candidate must be sent before April 1, 1880, to one of the following officers: —

Secretary of the Woman's Education Association, 114 Boylston Street, Boston;

Secretary of the New York Local Committee, 59 East Twenty-fifth Street, New York;

Secretary of the Philadelphia Local Committee, 401 South Eighth Street, Philadelphia;

Secretary of the Cincinnati Local Committee, 57 Walnut Street Cincinnati.

Candidates for the Preliminary Examination must specify which of the elective studies (Botany or Physics, and French, German, Latin, or

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Greek) they will take. Candidates for the Advanced Examination must specify which section and which subjects they elect.

Exact notice of the place of the examination, and also of the time (day and hour), will be sent to all candidates on April 15, 1880.

The Preliminary Examination will cover parts of two weeks. Less time will be required for the Advanced Examination, according to the number of subjects chosen.

The fee for the Preliminary Examination, including certificate, will be *fifteen dollars*.

The fee for the Advanced Examination will be *ten dollars*.

The Woman's Education Association and the Local Committees will provide board and lodging at moderate cost for those who need such accommodation.

Young women in narrow circumstances will be aided in meeting the cost of these examinations. Applicants for such aid should address the Secretary of the Education Association or the Secretary of the Local Committee, stating their circumstances fully, — the amount of help they need, the kind of assistance they would prefer, whether a remission of fees, a loan or gratuitous board and lodging during the examination, — and enclosing certificates of scholarship and character from their teachers. If an applicant is under twenty-one years of age, her application must be accompanied by the written approval of her parent or guardian.

The examination papers used in previous years and a pamphlet containing further directions and lists of books required will be forwarded to any address; and any further information that may be desired will be gladly given, upon application to either of the Secretaries above mentioned.

The following candidates received certificates in 1879: —

PRELIMINARY EXAMINATION.

Julia Caroline Arner,	*Philadelphia, Pa.*
Julia Brailsford Borden,	*New York, N.Y.*
Mary Graham Connell,	*Philadelphia, Pa.*
Grace Greenleaf Hiler,	*Jamaica Plain.*
Miriam Holden,	*Philadelphia, Pa.*
Sarah Kittredge,	*Peekskill, N.Y.*
Annie Louise Ransom,	*New York, N.Y.*
Julia Rebecca Rogers,	*Baltimore, Md.*

ADVANCED EXAMINATION.

Sarah Kittredge,	*Languages and History,*	*Peekskill, N.Y.*
	With Distinction.	
Elizabeth Johnston Purdy,	*Languages,*	*Rye, N.Y.*

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GENERAL SUMMARY.

Government, Teachers, and other Officers.

PRESIDENT AND FELLOWS		7
OVERSEERS		32
TEACHERS: —		
Professors	52	
Assistant Professors	16	
Lecturers	5	
Tutors	9	
Instructors	47	
Demonstrators and Assistants	21	
Whole number of Teachers		150
LIBRARIANS, PROCTORS, AND OTHER OFFICERS		27

Students.

COLLEGE STUDENTS: —		
Senior Class	171	
Junior Class	201	
Sophomore Class	196	
Freshman Class	245	
		813
DIVINITY STUDENTS: —		
Senior Class	6	
Middle Class	7	
Junior Class	6	
Special Students	4	
		23
LAW STUDENTS: —		
Third-Year Students	20	
Second-Year Students	82	
First-Year Students	75	
Special Students	88	
		165

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SCIENTIFIC STUDENTS: —		
Fourth-Year Students	2	
Third-Year Students	3	
Second-Year Students	1	
First-Year Students	8	
Special Students	7	
		16
MEDICAL STUDENTS: —		
Resident Graduates	5	
Fourth Class	2	
Third Class	60	
Second Class	79	
First Class	105	
		251
DENTAL STUDENTS: —		
Third-Year Students	2	
Second-Year Students	8	
First-Year Students	10	
		15
BUSSEY INSTITUTION		7
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OTHER RESIDENT GRADUATES		8
Whole number of Students		1856

SUMMER COURSES OF INSTRUCTION: —		
Students in Chemistry	28	
Students in Botany	35	
Students in Geology	7	
		70
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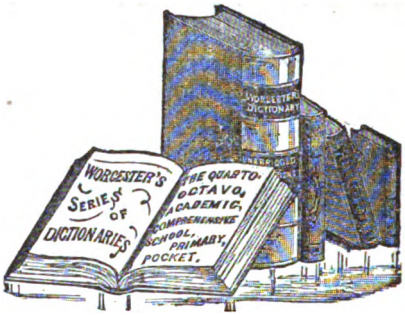

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